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BATANGAS STATE UNIVERSITY JPLPC-Malvar
Malvar, Batangas



COLLEGE OF INFORMATICS AND COMPUTING SCIENCES

SPOT: Online Thesis Manuscript Checking Platform using Workflow Model

A Capstone Project Presented to the Faculty of the
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Poblacion, Malvar Batangas

In Partial Fulfillment of the Requirements for the Degree

Bachelor of Science in Information Technology

Major in Business Analytics

Biscocho, Val Juniel M.

Magnaye, Madelene D.

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APPROVAL SHEET

This Capstone Project entitled **“SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING WORKFLOW MODEL”**, prepared and submitted by **BISCOCHO, VAL JUNIEL M.**, and **MAGNAYE, MADELENE D.**, in partial fulfillment of the requirements for the Degree, Bachelor of Science in Information Technology Major in Business Analytics, has been examined and is recommended for Oral Examination.


JOSEPH RIZALDE E. GUILLO, BSCS
Adviser

Approved by the Committee on Oral Examination with a grade of _____.

PANEL OF EXAMINERS


FRANCIS G. BALAZON, DIT
Chairperson


ERWIN F. DE CASTRO, BSCpE
Member


MENARD M. CANOY, BSIT
Member

Accepted and approved in partial fulfillment of the requirements for the Degree,
Bachelor of Science in Information Technology Major in Business Analytics

30-December-2021
Date


SHIELA MARIE G. GARCIA, MSCS
OIC-Dean



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And above all, to Almighty God, who was always there giving the developers strength, wisdom, perseverance, patience and guiding them all throughout to complete this project.

The Developers



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DEDICATION

*We dedicate this piece of work to all future developers
and aspiring IT professionals who value this profession and aimed to
achieve goals that can contribute to this industry; our classmates, colleagues and
friends for their participation, support and cooperation; and to our families who has
always there to guide and support us in all possible ways, and to all the people involved
that shown support and gives us courage in the process to make this project successful.
And above all, to almighty God, who has been with us, guiding us all throughout this
journey.*

~Val

~Madelene



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EXECUTIVE SUMMARY

TITLE	:	SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING PLATFORM USING WORKFLOW MODEL
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This capstone project aims to develop an Online Thesis Manuscript Checking Platform using workflow model. With the knowledge of the developers in web designing, web development, and web database management, they decided to develop a system that will help the students to upload and revised their thesis manuscript as well as the thesis committee and dean to check the thesis manuscript by putting comments and provide feedbacks to the students' undergraduate thesis.

The developed system has an online editor which is the PDF Zorro that will serves as the platform for the thesis committee to check and annotate the thesis manuscript that was uploaded by the researchers. The system has an analytic feature that provides summarized information about the progress of the researchers' thesis manuscripts as well as the pending, approved and rejected manuscripts by the thesis committee.



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The developers decided to develop a system made from open-source software. The developers used the Hypertext Pre-processing (PHP) which works well with HTML and databases. They've also used MySQL as database for the developed system since it is easy to use and also has a user-friendly platform. The developers also used HTML, CSS, JavaScript as front-end programming languages.

Based on the gathered data through evaluation, the developers concluded that the developed system provides an efficient way of checking research manuscript compared to the manual process. The system is beneficial to both faculty and students as it improves the way of checking process of the thesis manuscript. The developed system can increase the productivity of the thesis committee for this will help them to check the thesis manuscripts in ease and efficient way online. Also, the developed system provides an analytic feature that can easily help the users to monitor the progress and status through a graphical representation.



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CHAPTER 1

Project Context

The necessity of technology in our present times have been even more possible as this makes our lives more convenient today. Computers made its way to help humans do their work as easily as possible. As the technology immersed itself towards business, education and other transactions, it is more clearly proven that technology is that significant in our life.

The advancement and development of technology is inevitable and plays an important role to support human activities in order to time optimization. The development of internet technology in the world of education nowadays is still not maximized, especially in terms of working out research papers or manuscripts online. The Batangas State University JPLPC-Malvar is one of the universities that wants to embrace the advancement of technology.

Today, having a system is one way to have innovation as this is the start of having efficient work for every staff in schools. Having a system can lessen the works of the employees as well as this can increase efficiency in performing specific tasks. One function of the system that can totally help every staff is to convert the manual process into automated or computerized one. As for higher education, one of the requirements is to write a thesis for completion to finally finish their studies. In this current time, having thesis manuscript to be checked via hard copies through face to face would be hassle as this pandemic would not allow the students to do so. One way to make the thesis manuscript



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checking more efficient and timelier reliable is to create a manuscript checking platform using a workflow model.

Currently, the Batangas State University Malvar Campus uses a manual way of checking the thesis manuscript of the students. First, the students will ask their adviser to check their manuscript. After that, once the adviser approved the manuscript, the adviser will give it back to the respected group so that they can finalize the documentation then goes on with the process until it is ready to be checked by the thesis committee. The traditional manual way of checking the documentation would not be possible with this trying time because of the pandemic, and it causes hassle and heavy workloads on both sides. Also, using the manual way of checking is time consuming as for the reason that not all the time, students, advisers and thesis committee are available and can be seen around the campus.

As the university's about to embrace the advancement of technology, manual checking should be eliminated. Acknowledging the situation that pandemic brought today that also highly affected the education, the developers decided to develop a thesis manuscript checking platform using workflow model. It allows the research instructor to act as the administrator of the system and to manage the users and the thesis uploaded by the students. The system also allows the researchers per department to have their own account to be able to upload their soft copy of the manuscript online. The system will also let the users monitor the progress and running days of checking the documentation, as well as the instructor and thesis committee will get notification once the researcher uploaded



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the thesis manuscript. Through the developed system, the administrator will also be able to see the documentations that were already done with the checking and approved by the thesis committee.

The main concept of the developed system is to lessen the staff's workload, less face to face interaction, less hard copies of documents, and time-consuming way of checking the thesis manuscript of the students. It would be a great help for the students, advisers and thesis committee in checking the thesis manuscript by using the developed system.

Purpose & Description of the Study

At present, Batangas State University JPLPC-Malvar does not have an online automated system for checking student's thesis manuscripts. The instructors, panels, and chairman made use of a traditional manual way in order to check the student's manuscripts. Due to Covid-19, manual way of checking manuscripts would not be a good option since everyone should follow the health and safety protocols and no face-to-face should be done. The developers intend to eliminate the traditional way of checking of thesis manuscripts and develop a thesis manuscript checking system using a workflow model that would make the process of thesis checking more organized, efficient and contactless.

The system is composed of four interfaces. One is for the research instructor that will manage the user accounts wherein the research instructor will approve accounts registered by the researchers. The research instructor can also evaluate the progress of each documentation. The second interface is for the thesis committee, wherein the thesis



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committee can check and annotate the research paper that has been submitted by the students. The third interface is for the Dean, wherein he will sign the research paper that has been submitted by the students and approved by the thesis committees. The fourth interface is for the researcher, wherein the researcher can upload their research paper and check if the research paper has been approved or rejected. Each of the users can register an account using the unique codes given by their respective personnel. Instructors and thesis committee such as the adviser, panelists and chairman will have their unique codes given by the dean, while the researchers are given a unique code by their respective instructors.

The project would be beneficial mainly to the students of Batangas State University JPLPC-Malvar for it will reduce the heavy workload of thesis checking done in the manual process. The university can also assure that they can adapt to the trend of modern technology.

The research instructors and the thesis committees would benefit from the developed system. It is easier for them to check and annotate manuscripts because it can be accessed at any place with internet connection. Also, it can eliminate the spread of Covid-19 virus for it will remove the face-to-face checking of thesis manuscripts. They can also easily monitor the progress of the thesis manuscripts using analytics.

The study is also significant to the developers for it will enhance their skills in computer programming and system development. Likewise, it would also be beneficial to other researchers as a reference for future studies.



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Objectives of the Study

The main objective of this project is to develop an online thesis manuscript checking platform system which applies new features on checking thesis manuscript.

Specifically, the project aims to fulfill the following:

1. To develop a module with the following capabilities:

1.1 researchers are able to upload the soft copy of their thesis manuscript;

1.2 thesis committee and research instructor can be notified through the system and via email;

1.3 thesis committee can check the manuscript using online editor; and,

1.4 thesis committee can approve the manuscript.

1.5 with module for the following:

1.5.1 research instructor;

1.5.2 thesis committee;

1.5.3 Dean; and,

1.5.4 researchers.

2. where the following will be given an account:

2.1 research instructor;

2.2 thesis committee;

2.3 Dean; and,

2.4 researchers.

3. To incorporate analytics feature that:



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- 3.1 monitor the running days of checking;
- 3.2 view the pending manuscripts to be check and sign;
- 3.3 monitor the progress of checking and signing; and,
- 3.4 view the approval status.

4. To test the developed system using ISO/IEC 25010-2011 software evaluation criteria in terms of:

- 4.1 functionality;
 - 4.2 usability;
 - 4.3 efficiency; and
 - 4.4 reliability
5. To develop an implementation plan of the developed system.

Scope and Limitations of the Study

The developed system would focus mainly on having an online checking platform for the uploaded thesis manuscript which allows to have an easier and better way of checking the thesis manuscript of the students. It will ease the process of checking, evaluating and editing the thesis manuscript of the students. Having an online thesis manuscript checking system will allow the thesis committee to be notified if there is already an uploaded manuscript that they need to check, as well as this will help the instructor to easily monitor the progress of checking.

However, the system is only limited to the students, thesis committee, instructor and dean. The thesis manuscript checking was designed and developed only for the



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researchers, thesis committee and thesis instructor of Batangas State University JPLPC-Malvar. The grammarian will not be included and will not be given an account since the process between the grammarian and the student will not be covered by the system, it was done before the uploading of the thesis manuscript. The researchers are allowed to register an account to the system to be able to upload their thesis manuscript and receive feedback such as the evaluation and comments from the thesis committee. The thesis committee can view the thesis manuscript that was uploaded by the researchers and add comments using an online editor. However, they are not allowed to simultaneously edit the same file. Also, the system will only be considering the undergraduate thesis of Batangas State University Malvar. PDF files are only allowed to be uploaded to the website and it should have a maximum size of 15 megabytes (MB).

The online editor, specifically the PDFZorro is accessible only for the thesis committee since they are the one who can edit and add comments, as well as add e signature to the thesis manuscript uploaded by the student.

The online thesis manuscript checking platform works through the use of the internet since it is an online system and it can be accessed whether inside or outside the campus as long as the users have an internet connection. The said system also provides a database to store all the documents. The system does not include other branches of Batangas State University and other related processes that were not mentioned and stated above.



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Definition of Terms

In this section, the terminologies defined are gathered by the developers for better and clearer understanding of the project.

Analytics. It is the term that collates all functions of analysis, collection and presentation of data that is automatically compiled by data trackers. This data can then be easily interpreted and applied to a multitude of uses in order to improve performance. [1]. In the developed system, analytics will show the progress of checking and the statistics showing the number of approved and rejected manuscripts.

Annotate. It is a systematic summary of the text that you create within the document. A key tool for close reading that helps you uncover patterns, notice important words, and identify main points [2]. In the developed system, annotate is used to comment the research manuscript of the student.

Bootstrap. It is a free front-end framework for faster and easier web development. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins [3]. In the developed system, bootstrap was used to design the user interface of the system.

ISO/IEC 20510:2011. A quality in use model composed of five characteristic that relate of the outcome of interaction when a product is used in particular context of use. [4]. In this project, the developers used the ISO/IEC 25010:2011 to evaluate the quality of the software.



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Platform. It allows software to run on the computer and requires a processor, operating system, and programming environment with related runtime libraries and user agents [5]. In the developed system, platform was used to have a centralized medium of checking research manuscript.

Portable Document Format (PDF). It is typically used to distribute read-only documents that preserve the layout of a page. They're commonly used for documents like user manuals, eBooks, application forms, and scanned documents, to name just a few [6]. In the developed system, PDF was used as the standard file format for checking manuscripts.

PDFZorro. PDFzorro is a free online pdf editor which does not need to install to edit a pdf file. This online pdf editor allows the user to add annotation, comments, text images, shapes etc. It is easy, fast and for free and also works in any platform [7]. In the developed system, PdfZorro is the application that is used by the thesis committee for annotating thesis manuscripts that was uploaded by the researcher.

SPOT. It is to recognize something that is difficult to detect. In the developed system, SPOT is an acronym for Spartan Online Thesis. It is the developed system's name means that the students, staff and faculties are considered as the Spartan which are the one who will use the online thesis manuscript checking platform.

Workflow System/ Workflow Model. It is the sequential series of tasks and decisions that make up a business process. Designing a workflow model lets business users see how a process works and helps them streamline and optimize it for best results and



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high efficiency [8]. In this project, a workflow model is used for checking manuscripts from the adviser to dean consecutively.



CHAPTER 2

REVIEW OF RELATED SYSTEMS

This chapter consists of related systems that the developers have found as the basis to the developed system. Related information that was gathered from the internet, articles, thesis, and dissertations were also presented here.

Technical Background

In order to support the features and requirements of the developed system, the developers used a number of software tools. These are chosen based on the ease of use, suitability and applicability. The software tools that the developer used throughout the project development were discussed in this section.

Since the developers observed the difficulties of checking the thesis manuscript in the traditional way, the developers needed to obtain vital information for the development of the system. The gathered information from different colleges in Batangas State University in Malvar can be used in determining the current situation of their process of thesis checking. Upon observation, the developers found out that the Batangas State University in Malvar does not have any system helping them with their way of checking thesis manuscripts.

Hence, the developers decided to develop a system made from open-source softwares for Batangas State University in Malvar to ease the workload of the instructors, students and thesis committee.



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MySQL is an open source relational database management system (RDBMS) with a client-server model. RDBMS is a software or service used to create and manage databases based on a relational model [9]. The developers used MySQL as a database for the developed system since it is easy to use and also has a user-friendly platform. Also, MySQL provides a local server which can be used for testing the system together with the database.

Hypertext Pre-processing (PHP) is a widely used server-side programming language that's become increasingly fast and powerful over the years. PHP works well with HTML and databases, making it a great language for anyone interested in building dynamic web applications [10]. The developers will use PHP for creating dynamic websites and which can be easily executed on the server.

HyperText Markup Language (HTML) is the language that gives web content structure and meaning. Cascading Style Sheets (CSS) is the language used to style web pages and JavaScript is the scripting language used to create dynamic functionality on the web [11]. The developers used HTML, CSS, JavaScript as front-end programming languages. HTML, CSS and JavaScript helps the developers in designing the interface of the website for it to display more stylish and user-friendly.

PDFZorro is an open-source web application for PDF annotation and manipulation. It can be used to add, edit, delete and put comments on the pages of the pdf document. The developers will use PDFZorro for annotation of thesis manuscripts uploaded by the researchers.



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A Workflow is a sequence of tasks that processes a set of data. Workflows occur across every kind of business and industry. Anytime data is passed between humans and/or systems, a workflow is created. Workflows are the paths that describe how something goes from being undone to done, or raw to processed [12].

Figure 1 shows the system architecture of the system. The research instructor which will act as the administrator of the system can manage and update the accounts of the users as well as the administrator can also check and monitor the uploaded thesis manuscript of all the researchers.

As the figure suggests, the users must have an internet connection to access the system. The users have different ways of accessing the system, each having their own panel. The researchers may log in by registering an account to the website and be able to upload their thesis manuscript and can receive feedback whether it is approved or rejected from the thesis committee. For the thesis committee, they will also register an account using the unique code given by the dean. They can view and add comments, approve or reject the thesis manuscript that was uploaded by the researchers and stored in the database.

The uploaded thesis manuscript is checked first by the adviser, then the feedback whether it is approved or rejected are sent back to the account of the student. Once approved by the adviser, it will be checked by the panelist as same as the process of checking by the adviser. Then, the chairman will check the uploaded manuscript that was approved by the adviser and panelists. Lastly is the dean who will sign the approved thesis.



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The feedback whether for revisions or approval by the chairman are sent back to the student.

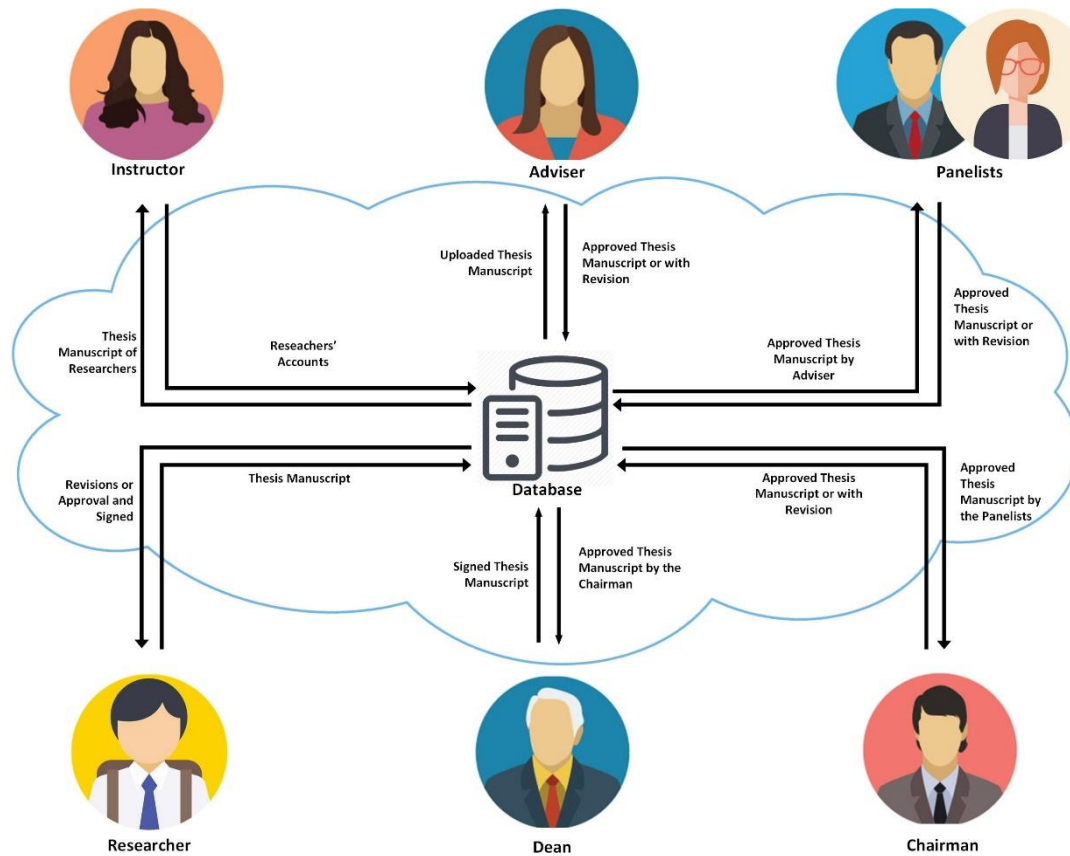


Figure 1. Architectural Design of the Developed System

Related Systems

The Principles and concepts that were considered in developing this project imparted a significant role to accomplish its objectives. The following are some related systems that the developers were used and which contributed to the developed system.

According to Alano et.al [13], their developed system is a web-based thesis management system that will facilitate the viewing of thesis and research works and a



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platform for uploading upcoming research works. Their system is also capable of monitoring the trends of viewing the documents. It also allows the user to create and log in their account to be able to access and search for the previous research. The system focuses mainly for viewing thesis works that were stored in the system.

In the previous system, it is similar to the developed system in terms of having a repository for thesis works that was done by the previous researchers. Both of the systems are capable of viewing thesis works that were uploaded in the system. In contrast, the related system is not capable of checking thesis work, it is only for viewing and uploading thesis documents that were already done. Also, the developed system does not have analytics for the admin about the students who are viewing the thesis documents and the rankings of those documents according to the frequency of view.

Sharma et. al [14] states in their study that the Panorama is a web application that facilitates viewing, sharing, and disseminating results contained in Skyline documents via a web-browser. Also, the Skyline users can easily upload their documents to a Panorama server and allow other researchers to explore uploaded results in the Panorama web-interface through a variety of familiar summary graphs as well as annotated views of the chromatographic peaks processed with Skyline.

The previous system is similar to the developed system in terms of being able to upload documents and allowing it to be viewed by other users. It can also be accessed in a web-browser since it is a web application. Both systems also provide repositories for the uploaded documents. The difference of both systems is that the developed system only



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accepts documents in a PDF format, it cannot be just viewed but it can also be edited and provide comments for the uploaded documents.

Based on Del Rosario et. al [15], their developed system is a system that incorporates EDMS into a portal which is the CCS IT Thesis Portal with Electronic Document Management System. The portal would be handling the entire thesis process, which starts from after passing the proposal stage up to the submitting of the final thesis project, as well as the document management of the thesis documents, which involves the storing, indexing and retrieving of thesis documents, in the IT department under the College of Computer Studies of De La Salle University.

Both the developed and previous system are similar for being capable of handling the thesis process. Both systems can easily search and retrieve the documents needed by the users because they serve as storage for the submitted documents. The previous system has a scheduling platform and access to google calendar for the defense scheduling unlike the developed system which focuses only for uploading, checking of documents and monitoring the duration of checking and approving of thesis manuscript.

According to Albacite et. al [16] their study is about file management for SPAMAST-Digos Campus, the system was developed for merging file management and communication using android devices. The system has a notification feature which is very useful for sending Information messages. It includes Local Area Network for users that are not connected to the internet. The application can also be used as an information system with complete details of the files that is easy for the users to locate the recorded files.



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The previous system and the developed system are similar for having a notification feature. Both of the systems provide easy access for the user to locate the recorded and saved files in the system. The developed system is an online platform for uploading and checking thesis manuscripts, unlike the previous system that can be accessed even without internet connection.

Balu et. al [17] developed a workflow-based system that replaces the existing manual handling of files with a more efficient electronic system. The system involves all stages, including uploading of files, movement of correspondences and files, status of the uploaded and forwarded file is always maintained, approval or rejection of file can be done by the recipient and status of the file can be viewed by the sender. This process takes place through the Local Area Network, Internet access is not necessary. Each user can track the status of the uploaded files.

The previous system has many similarities to the developed system, one is that both of the systems aim to reduce the movement of the hard copies within an organization. Second, both can perform uploading of files, and the status can be viewed and tracked by the users. Both can perform file sharing for approving and rejecting of shared files and are a workflow-based system. The previous system can be used even without internet connection, while the developed system needs internet connection for it is an online platform for checking thesis manuscripts.

Pino et. al. [18] developed HERMOPHILOS web-based management system to automate and accelerate the accessible eTextbooks' production, workflow management and



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delivery in a higher education environment. The study was done to dramatically reduce the paperwork and eliminate the student's visitation in order to use the office.

Same with the system of Pino, the online thesis manuscript checking platform was also developed for automation and to eliminate paperwork and visitation of students. But in the developed system, the automation accelerates the thesis manuscript checking through the use of workflow models.

He et. al [19] developed LearnerExp: Exploring and Explaining the Time Management of Online Learning Activity. The system was an interactive visual analytic system that can explore and explain patterns of learning activities and academic performance. It is developed to help instructors to comparatively explore the distribution of learner activities from multiple aspects, and to visually explain the time management of different learner groups with the prediction of learning performance.

LeanerExp is also related to the developed system of the developers because it uses visual analytics to find patterns that can be used in prediction. But in the developed system, visual analytics will also be used for checking the progress of thesis manuscript checking.

Andal et. al [20] came up to an idea of developing a web based SO assessment for CpE in order to achieve the holistic development of productive students. It allows the students to answer online assessments and allows the instructors in evaluating the student's submitted exams.

This study is similar to the developed system in terms of the student in which they will submit their output. The instructor will evaluate the output submitted by the student.



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Del Rosario et. al [21] conducted a study and design and developed a plagiarism checker capable of registering documents, granting access to users, and calculating the similarity between documents. The software was constructed using HTML, PHP, JavaScript, CSS, and MySQL. The system is composed of three main modules; the Document Search which enables users to browse documents, the Document Registration which enables the administrator to add and manage the stored documents, and the document Comparison, which serves as the system plagiarism detection mechanism.

In the previous study, it is similar to the developed system by using HTML, PHP, Javascript, CSS and MySQL as for their software. Both of the systems allow the users to browse documents but the previous system aims to check plagiarism of documents while the developed system aims to check the manuscript for the approval of the thesis committee.

Ambos et. al [22] developed an online thesis management system to help students and instructors in checking thesis files as uncomplicated, less costly and effortless as through the help of computer automation. The system has an online editor that can help the committee to put comments to the uploaded thesis documents. It is a workflow model type of system so the files sent by the student are to be checked first by the adviser, followed by the panelists and last is the chairman. It also provides an analytics feature that provides information about the progress of the uploaded thesis file of the student.

The features mentioned above are similar to the developed system as both systems can allow students to upload the thesis manuscript, and be checked by the thesis committee



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and both are workflow model types. It also provides analytics by being able to provide information about the progress of the uploaded thesis file. The difference is that the previous system does not have a notification feature while the developed system has.

Tylsar et. al [23] developed a web-based software platform to automate the process of submitting applications for UPT students exchange and UPT academic and non-academic staff exchange (STA and STT) within the Erasmus+ programme. The application was termed “ErasmusOnlineLAapp” and addresses the dematerialization of the process of organizing exchange mobility, converting a paper-based workflow that is dependent on timely postal deliveries for signature purposes to an online system that will save students significant time while preparing for their studies abroad and enable a greater degree of flexibility and efficiency when the Learning Agreement needs to be revised.

The previous system is similar to the developed system in terms of transferring a paper-based workflow into an online system which can help students easily manage their time as the system can eliminate error prone and time consuming. Both of the systems are also web-based platforms. The difference is that the developed system focuses on checking manuscripts online using a workflow model while the previous system aims to automate the process of submitting applications.

Thamrin et. al [24] designed a system that uses a waterfall method, while the data collection method uses several methods such as observation, interviews and literature study. For web development, they used the PHP programming language. The final result of the design is a web that can be used by students to submit titles, see a list of thesis titles



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that have been taken and so on. While the online output is a list of student thesis titles STIMIK Sepuluh Nopember Jayapura and announcements about title approval, supervisors, examiners, and payment concerns.

The system mentioned above is similar to the developed system for using PHP as a programming language for web development. Both use a web by the students to submit and view an output. But the difference is that the developed system allows the students to submit thesis manuscripts while the previous system only allows to submit thesis titles and view a list of thesis that have been taken.

The system of Harlan and Samarakoon [25] developed an open source workflow management system for K-State Libraries. The system aims to eliminate the ongoing issues of tracking, individual responsibilities, information gathering, notifications and automate the uploads since it has many complex digital workflows that involve multiple people and departments.

The system of Harlan and Samarakoon is similar to the developed system. Thesis manuscript checking system also uses a workflow system and aims to automate the manual way done by the involved people to the system.

Wickramage et. al [26] developed a system that was designed for defining a healthcare event log file that can facilitate suh compliance, while minimizing the lack of log information and overhead of log analysis. The system uses workflows as a formalizing mechanism to incorporate the typical patient journeys and incrementally developed models to include health policies, clinical standards and audit requirements.



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Same with the system of Wickramage, the thesis manuscript checking uses a workflow model. But in the developed system, a workflow model is used for the thesis manuscript checking process that was uploaded by the reserachers and to be checked by the adviser, to be followed by the thesis panel and the chairman.

Athanassios et. al [27] introduced a WMS that leverages machine learning to predict workflow task runtime and the probability of failure of task assignments to execution sites. The expected runtime of workflow tasks can be used to estimate the weight of the workflow graph branches in respect to the total workflow workload.

The feature that was mentioned above is similar to the developed system in terms of having a workflow. Both of the systems intend to reduce the probability of failure of task assignments. By using workflow, the developed system can work according to a proper process of thesis checking while the system that was mentioned above used workflow to predict workflow task runtime and to avoid failure of task to execution sites.

According to Omer [28], he developed a web-based application that constructs a bridge between students and faculty members virtually. Using WTWMS, the student are able to search for many research topics on a single page. When they find the topic that fits best for them, they are able to contact the faculty member who posted the research topic that they are interested in. Additionally, faculty members are able to find ambitious students who are interested in their research area. It provides an efficient, interactive, user-friendly environment where both students and advisors can interact and complete all of the requirements of the master thesis.



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The features mentioned above are similar to the developed system since both systems used web-based workflow and it both provides a user-friendly environment and is eco-friendly since both promote paperless thesis by using the system. The difference is that the developed system is used for checking uploaded thesis manuscripts by the student while the data is used to create thesis and involves thesis process in which the selection of the advisor, as well as the creation of the whole master thesis is in the system.

Helmiawan and Firdaus [29] developed a thesis process automation system. The system is developed to eliminate the fee paid by the students in printing the proposal and also when filing titles to preserve then the proposal is directly received by the Chairman and the LPPM majors.

Similar to the developed system. The online thesis manuscript checking platform also aims to eliminate the manual process and the expenses paid by the students in printing their thesis manuscripts that are checked by the thesis committee. But the developed system is only focused on manuscript checking rather than filing thesis proposals.

Rosa et. al [30] developed a system that is for storing and organizing various types of documents. It is a progressively broad kind of storage system that encourages clients to arrange and store paper or computerized reports. EDMS alludes all the more explicitly to a product framework that handles digital documents, as opposed to paper records, in spite of the fact that in certain examples, these frameworks may likewise deal with computerized examined variants of original documents on paper.



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The related system is similar to the developed system in terms of having a storage or repository for the documents. Both of the systems used workflow to improve specific tasks. It also allows the users to access the information or documents stored in the system. The developed system only allows the approved thesis manuscript to be stored in the system while the related system allows any type of document to be stored in the system. The related system serves mainly as a storage for various types of documents while the developed system focuses on checking thesis manuscripts.

Akca et. al [31] developed a project that is designed as a web-based and systematic management and follow-up of documents in the General Directorate of Personnel of Ministry of National Education. The project aims to ensure that the decrees prepared as a result of the appointments made by the General Directorate of Personnel are kept in a safe way in an electronic environment, monitored, managed and delivered to the related units. Also this application; it is designed to be used as a document management system in public institutions and universities. Web-based applications make access to content easier, reducing storage and printing costs.

The developed and related systems are similar to being a web-based that makes access to content easier and also reduces the printing costs of documents. Both of the systems aim to be secured and can be monitored in an electronic environment and can be accessed by the universities. The related system is only capable of managing the documents where the appointments made are delivered to the related units while the developed system



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is capable of handling thesis manuscript checking process in every department of Batangas State University.

Nuemann et. al. [32] developed a PDF annotation with label and structure system. The system aims to address the need for an annotation tool that goes beyond plaintext data. The system is particularly suited for mixed-mode annotation and scenarios in which annotators require extended context to annotate accurately.

Same with the system of the group of Neumann, the thesis manuscript checking platform using workflow model is designed for annotation purposes. But in the developed system, e-signatures can also be added aside from giving annotations for the thesis manuscript.



CHAPTER 3

DESIGN AND METHODOLOGY

This chapter presents the methodology that the developers used in developing the system and the design they planned to use as the graphical user interface of the system. This chapter also explains the type of research utilized in the study and how it is related in the development of the developed system. The required hardware and software for a user to be able to use the developed system are also included. Testing and evaluation of the developed system are also tackled.

Data Gathering

In this project, a system is developed for uploading and checking students' thesis manuscripts of Batangas State University JPLPC-Malvar. All requirements that are needed are gathered for the system development. To pursue the project, the developers used the qualitative research to sustain the information needed to formulate ideas in planning the development of the project. A qualitative type of research refers to a one-on-one interview, in which the developers conducted a virtual meeting with the research instructors of every department of Batangas State University JPLPC-Malvar to determine the problem and its possible solution. This could help to fully understand the necessary requirements needed in the project.

For the evaluation, the developers used a quantitative type of research in which they prepare questionnaires to evaluate the developed system by the research instructor who



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will act as the administrator, thesis committee and by the students. The questionnaire covers a list of questions that covers the quality of the system.

After acquiring appropriate information through data gathering and developmental process, the gathered information is used to create the suitable structure for the system. The developers started developing the system based on the client's needs. Afterwards, the developers conducted such tests to check the functionality of the system.

Project Concept

The developers conducted a virtual interview with the research instructors of every department in Batangas State University JPLPC Malvar and gathered all information needed to meet the objectives of the project. The developers analyzed the information and the needed requirements to be able to construct the design of the system.

After the virtual interview, the developers then observed the conflict of the instructors and committee on checking the thesis manuscript of the student. Upon using their current process, a slow progress of checking thesis manuscript was observed since the students need to provide first the hard copies of thesis manuscripts that will check by the thesis committee, if the student receives a feedback that the manuscript needs to be revised, then the process will repeat until it becomes approved. The developed system can help the thesis committee to easily check the thesis manuscript that was uploaded by the students and the instructor can easily monitor the progress of checking.

In line with this, the developers thought of developing a system that can make the process more organized and timelier reliable. After the developers' proposal and approval



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of Batangas State University JPLPC-Malvar, the developers started to gather information needed in the development of the system. Through this, the developers understand the situation of the thesis instructor, committee and students of Batangas State University JPLPC-Malvar and aim to provide a simple user interface but can still satisfy the needs of the users.

System Analysis and Design

Figure 2 shows the Web Development Life Cycle (WDLC) in which it is used to ensure the consistency and completeness of the project. The WDLC is composed of six (6) processes that support the system development and can help the developers to identify what needs to be improved on the project. The following phases are the planning, analysis, development, testing, release and maintenance. Those phases were followed to ensure the consistency of the project.

The first phase of the Web development life cycle is planning. In this phase, the purpose and goals of the project should be identified. This phase allows the developers to know and analyze the gaps in the process of checking thesis manuscript especially in this trying time because of pandemic. The developers find out the target client who is affected and who will provide the information needed in the system. Also, the developers gathered the name of the research instructors of every department through the Vice Chancellor for Academic Affairs then asked them to allow the developers to conduct a virtual interview. The developers also came up with different ideas on what programming language should



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be used for front-end and back-end as well as the technology and software that should be included.

Second phase is the analysis stage which allows the developers to make decisions about the project's content and functionality. The information and the problem encountered were gathered through a virtual interview. Some of the research instructors in Batangas State University explained their struggle of checking thesis manuscripts especially in this pandemic where they had to do a lot of ways to check thesis manuscripts and be able to send it back to the students.

After planning and analyzing, the next stage is the development. The purpose of the project has been found and the content has been defined, the developers can now organize the content of the project. This stage includes the design, creation of the layout and coding. The developers analyzed and decided to make a user-friendly interface for the user. After designing the layout, next is to proceed to the coding which is also part of the development process, the developers also used an open source software tool that are user-friendly platform and also considered the third party application which is the PDFZorro which used by the thesis committee to check the thesis manuscript of the students.

After the development phase, the developers can now proceed to testing. It involves many testing levels. The developers used the black box method of testing to check the functionality of the system without having to check the internal structure of the system. This testing phase should be done over and over until the system is perfectly developed.



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At this point, the testing phase is done, the developers can now release the project. The developers proceed to demonstrate the system to the client. The client and users can suggest or ask to change the design, functionality of the system, otherwise they will approve then the developers can move to the last phase which is the maintenance in which it includes the updating if some changes have been asked by the client.

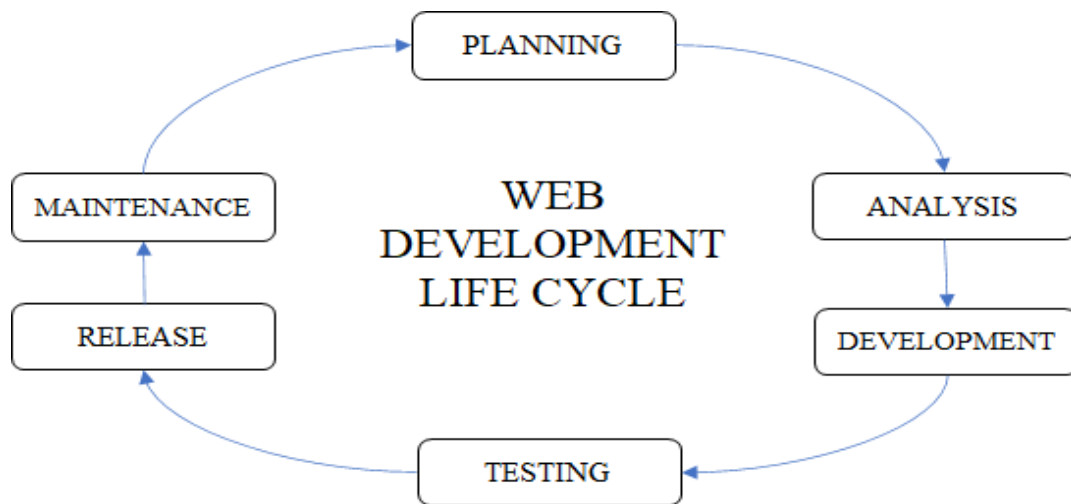


Figure 2. Web Development Life Cycle

Context Flow Diagram

Figure 3 shows the context flow diagram of the system. It is composed of four (4) entities which are the research instructor, thesis committee, researcher and dean as the user of the system. The users can use the system in different ways for they have different interfaces.



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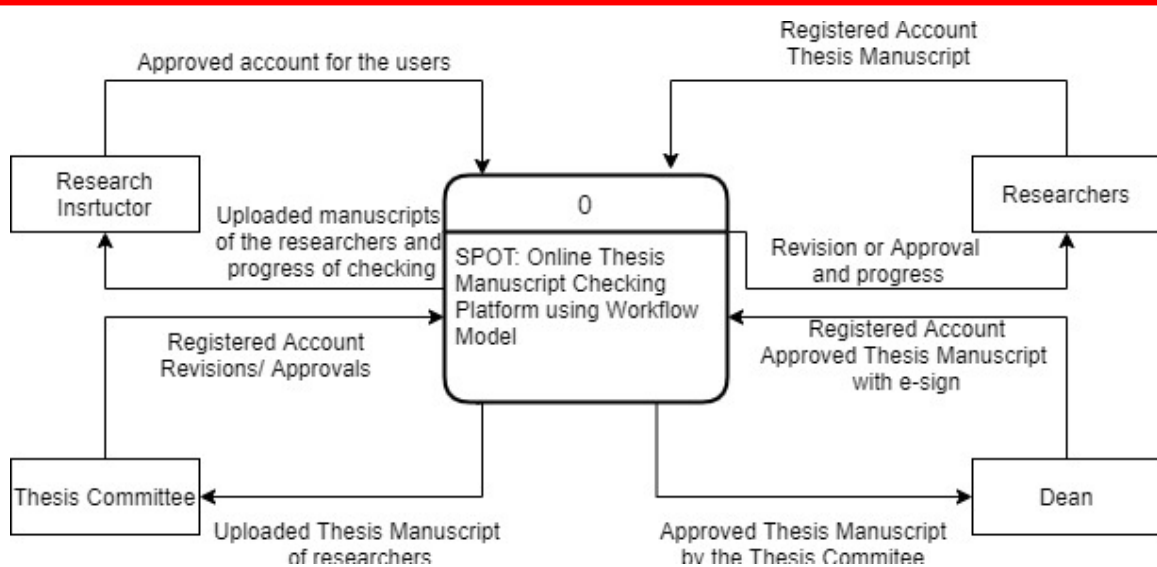


Figure 3. Context Flow Diagram of the Developed System

Data Flow Diagram

Figure 4 shows the data flow diagram of the research instructor. To be able to log in to the system, the research instructor must input their username and password. Then, the research instructor can approve the account that was registered by other users and can also manage their accounts. The research instructor can also receive a notification once the researcher uploads their thesis manuscript. After that, the research instructor can finally monitor the progress of checking and status of the thesis manuscript.



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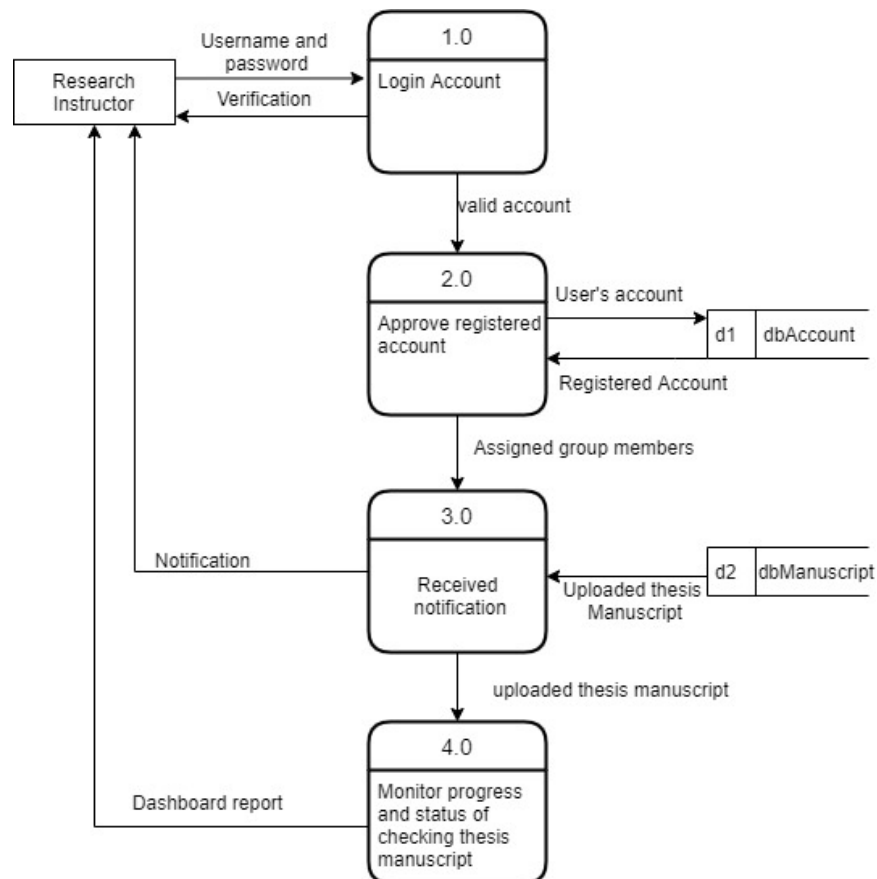


Figure 4. Data Flow Diagram for the Research Instructor

Figure 5 shows the data flow diagram of the researcher. The researcher must log in their account by inputting their username and password. Once the researcher accessed the website, they can now assign group members and upload their thesis manuscript that can be sent to their respective thesis committee. After that, the researcher can receive feedback from their respective thesis committee if their manuscript has been approved or needs to be revised.



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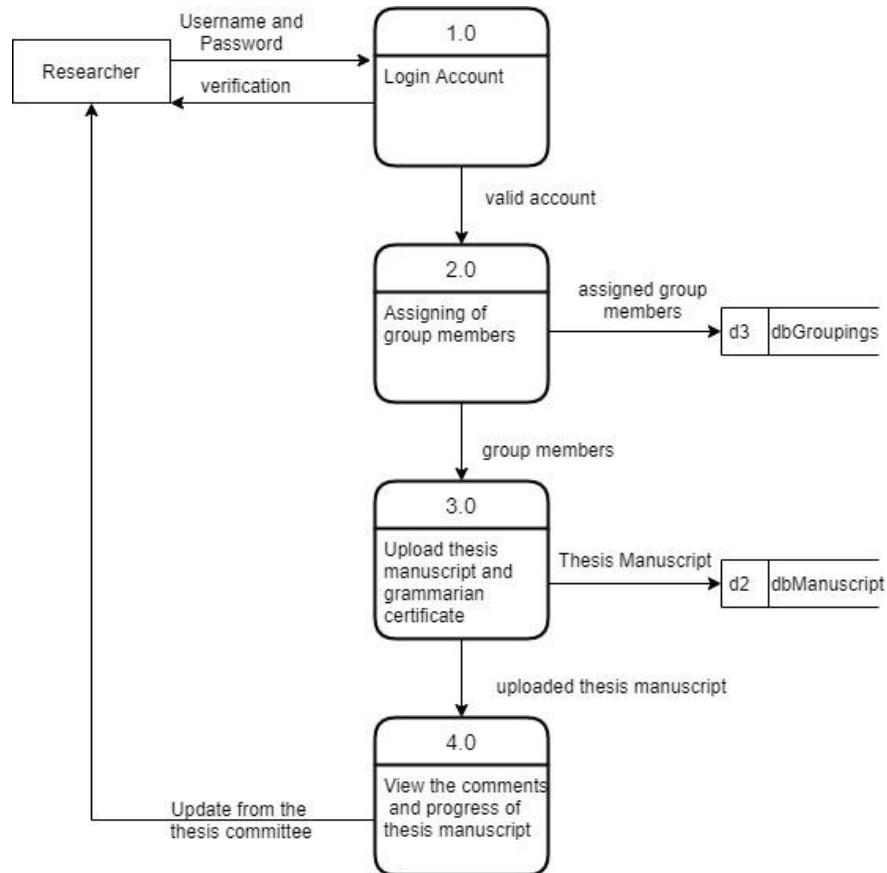


Figure 5. Data Flow Diagram for the Researcher

Figure 6 shows the data flow diagram indicating the process of the thesis committee in the system. The thesis committee must log in their account by inputting the username and password. Then they will receive a notification once the researcher uploaded the thesis manuscript. After that, they can proceed on checking the thesis manuscript and be able to send it back to the researcher with comments for revision or approval. Lastly, if they send it back for revision, they can check the updated thesis manuscript which sent by the researcher.



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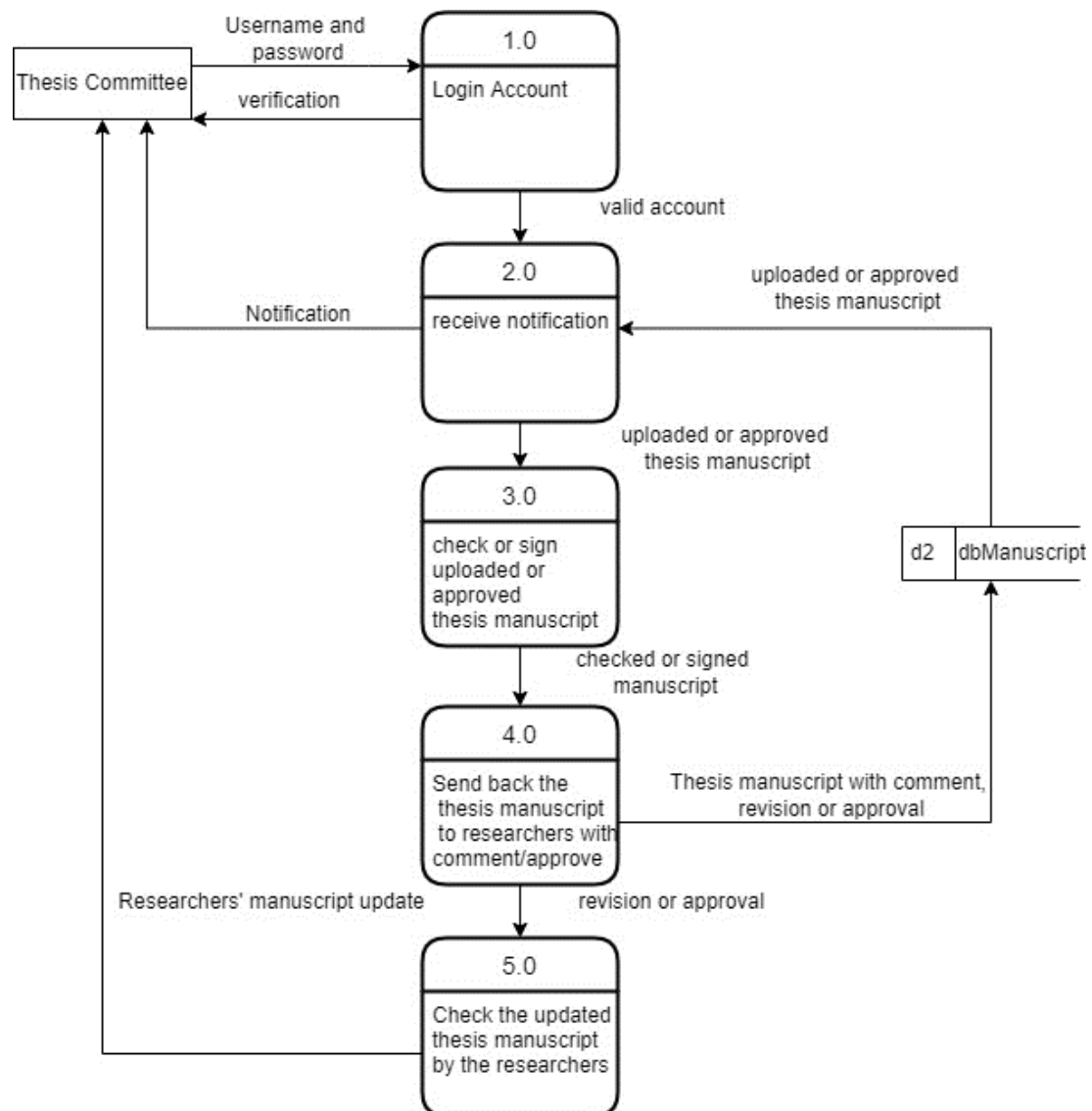


Figure 6. Data Flow Diagram for the Thesis Committee

Figure 7 shows the data flow diagram of the Dean. The Dean can log in his account by inputting the username and password. Then, he can now review the approved thesis manuscript by the thesis committee and can finally add his e-signature to thesis manuscript.



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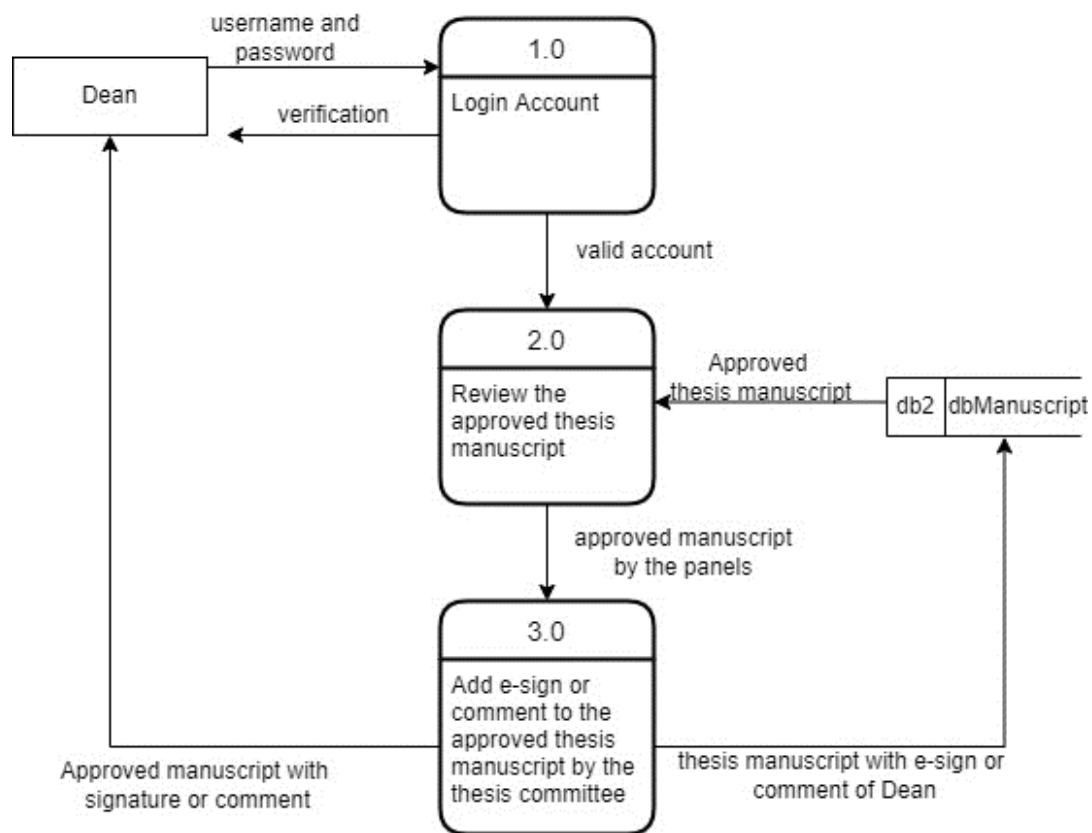


Figure 7. Data Flow Diagram for the Dean

Development Approach

Figure 8 shows the top-down approach used by the developers. This approach is the most likely applicable to the developed system. At the highest level is the registration. In this stage, the researcher, thesis committee and dean shall create an account and approved by the research instructor. The next level is the login, in this stage, all users must login using their username and password for them to use the developed system. The next level is the uploading of thesis manuscripts of the researcher. In this stage, the researcher will upload their thesis manuscripts in order for it to be checked. The next level is the



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checking of thesis manuscript and evaluation of the progress. In this stage, the thesis committees will check the thesis manuscripts uploaded by the researcher if it is approved or rejected. The thesis committees can evaluate the progress of the manuscript by checking the number of approvals done to it. Last is the signing of the thesis manuscripts approved by the thesis committees. In this stage, the dean will insert the e-signature to the thesis manuscript.

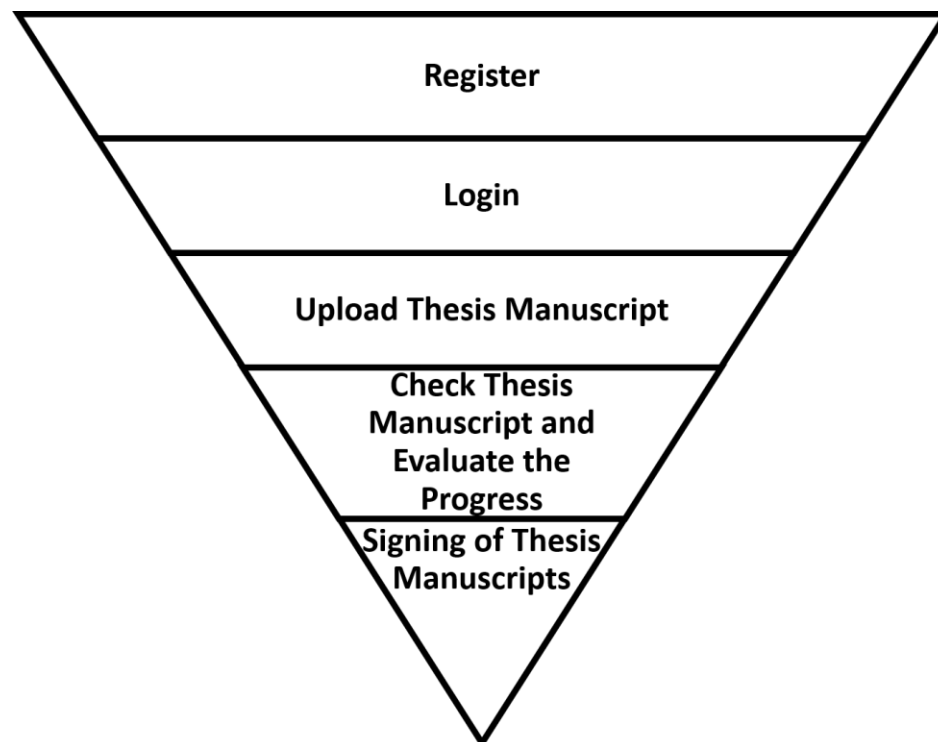


Figure 8. Top-Down Approach

Functional Requirements

Table 1 describes the specific functionality of what a system is supposed to accomplish.



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Table 1
Functional Requirements

Module	Description
Login	To fully access the system, users must input their registered username and password.
Upload	To upload the thesis manuscript, users must select a pdf file to be uploaded and click upload. The researcher must be logged in in order to upload the thesis manuscript.
Check	To check the thesis manuscript, users must click their desired thesis manuscript file. The thesis committees are the only authorized personnel to check the thesis manuscript, to do that they must be logged in.
Put Annotations	The system allows the thesis committees to put comments and the dean to insert e-signatures on the uploaded manuscript of the researcher.
Update	The researcher can update the manuscript file if the thesis committee sent back their manuscript as for revision.

Non-functional Requirements

Table 2 discusses some non-functional requirements that implemented in the developed system.



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Table 2
Non-functional Requirements

Criteria	Description
Usability	The developed system is user-friendly and is easy to operate.
Functionality	The system achieves its objectives and accomplishes all the intended functions.
Efficiency	The system loads fast and can respond quickly.
Reliability	The system is consistently working and performing well.

User Design Interface

The user was the primary consideration of the interface of the system developed and the user-centered design was the primary goal in developing the interface of the developed system. The figures shown below are the developers' guides in developing the system. The developers make a user-friendly interface while keeping the interface much more presentable to its users.

Figure 9 shows the create an account form for the user. In this form, the users need to fill out the textboxes such as the user's name (1-3), employee id/Sr code (4), email address (5) password (6) and repeat password (7). The drop-down list allows the user to choose their department (8) and their position (9). After filling out the following fields, the user can now click the register (10) button. The forgot password link text (11) allows the user to change or recover its account if the password was forgotten. The already have an account link text (12) allows the user to log in their existing account.



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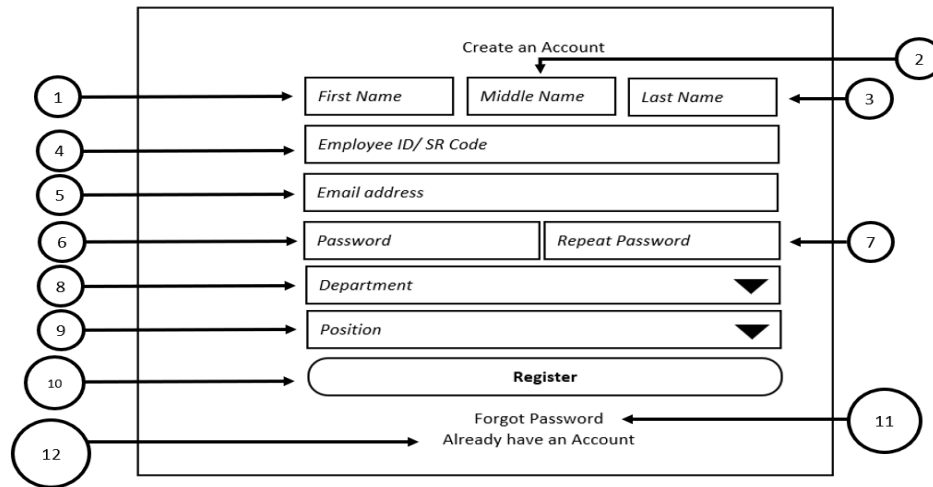


Figure 9. Conceptual Diagram for Creating an Account

Figure 10 shows the log in form of the users. The email address (1) and password textbox (2) allows the user to input their email address and password. The instructor (3), student (4), panelist (5) and dean button (6) allows the user to choose their position. The forgot password link text (7) allows the user to change or recover its account if the password was forgotten. The create an account link text (8) allows the new user to create an account.

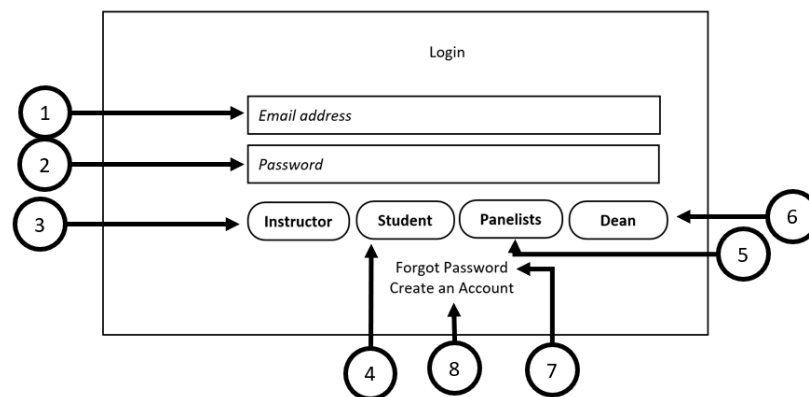


Figure 10. Conceptual Diagram for Login Form



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Figure 11 shows the forgot password form of the users. The email address (1) allows the user to input their email address. The dropdown list (2) allows the user to choose their position. After filling out the form, the user can now click the forgot password button (3). The already have an account link text (4) allows the user to log in their existing account. The create an account link text (5) allows the new user to create an account.

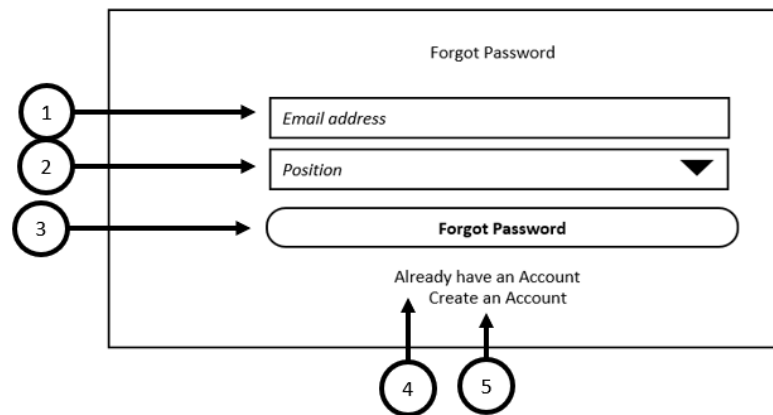


Figure 11. Conceptual Diagram for Forgot Password Form

Figure 12 shows the form for the student's interface. The log out button (1) is used for the student to exit or log out their account. The dashboard button (2) is used to show the interface of the dashboard. The upload manuscript button (3) allows the user to upload their thesis manuscript. The manuscript status (4) allows the student to view the status of their manuscript. and the approved manuscript button (5) allows the student to view the approved thesis.



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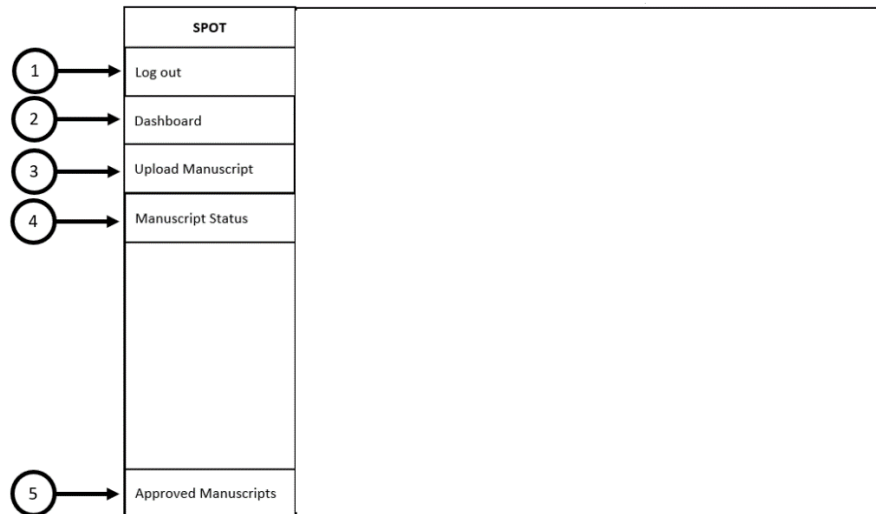


Figure 12. Conceptual Diagram for Student's Account

Figure 13 shows the dashboard panel for the student's interface. Once the dashboard button (1) is clicked, the panel will be shown. The notification button (2) allows the student to view the notification. The dashboard panel shows the manuscript status (3) and the result of the checking (4).

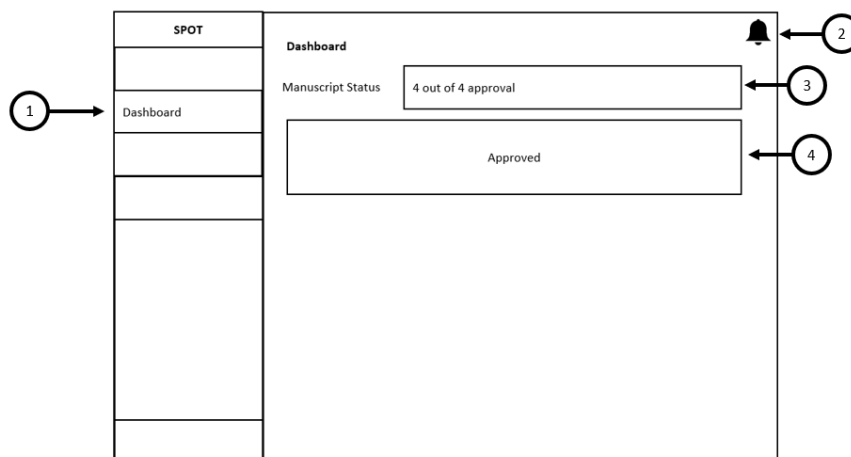


Figure 13. Conceptual Diagram for Student's Dashboard



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Figure 14 shows the upload manuscript panel for the student's interface. Once clicked (1), the panel for uploading manuscript will be shown. The adviser (2), panel 1 (3), panel 2 (3), chairman drop down(4) allows the student to choose their committee. The browse button (6) allows the user to browse for their manuscript. And the upload button (7) will allow the student to upload their chosen manuscript.

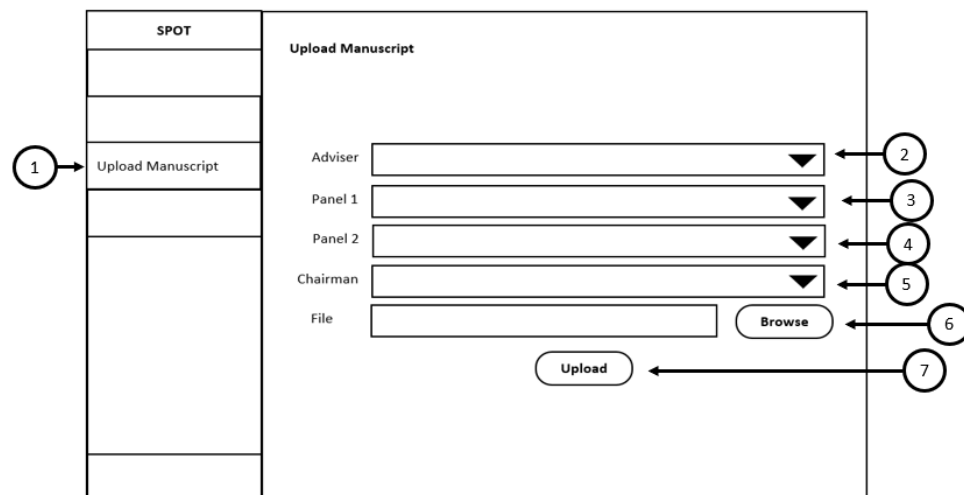


Figure 14. Conceptual Diagram for Student's Manuscript Uploading

Figure 15 shows the manuscript status panel for the student's interface. Once clicked (1), the panel will be shown including the number of approval with regards of checking the manuscript (2) and also the result of checking (3), if for revision, then the students are able to reupload their manuscript (4). Also, the feedback (5) from the committee will be shown in this form.



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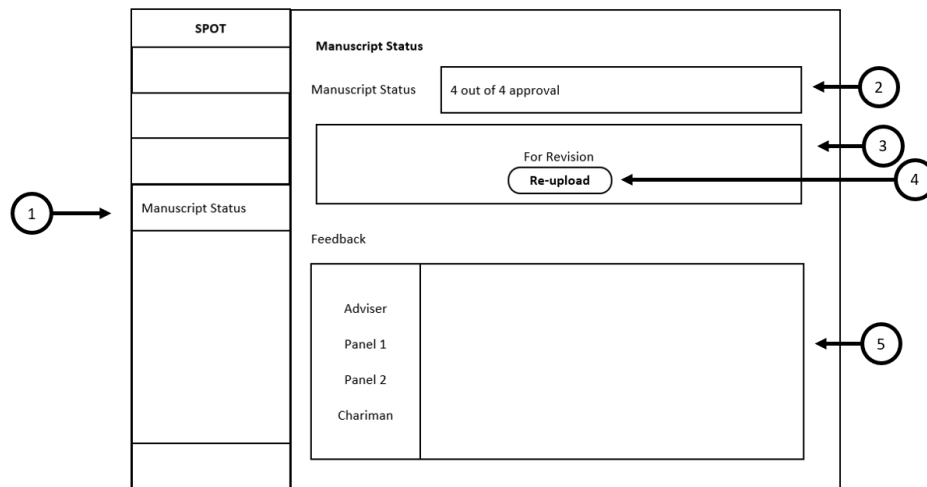


Figure 15. Conceptual Diagram for Student's Manuscript Status

Figure 16 shows the interface of the instructor's account. The log out button(1) allows the instructor to log out their account. The dashboard button (2) allows the instructor to access the dashboard panel. The manage account button (3) allows the instructor to manage the account of the users. Approved manuscript button (4) allows the instructor to have access to the approved manuscript.

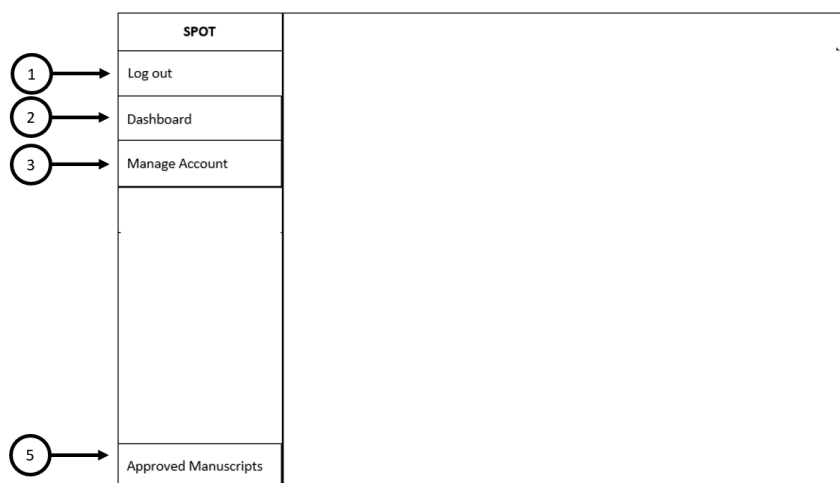


Figure 16. Conceptual Diagram for Instructor's Account



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Figure 17 shows the dashboard panel of the instructor's interface. If the instructor clicks the dashboard button (1), the following will be shown: the notification icon (2) allows the instructor to view the notification if the student already uploaded a manuscript, the student status (3) allows to view the status of the uploaded manuscript and the checking status (4) displayed the progress of checking status.

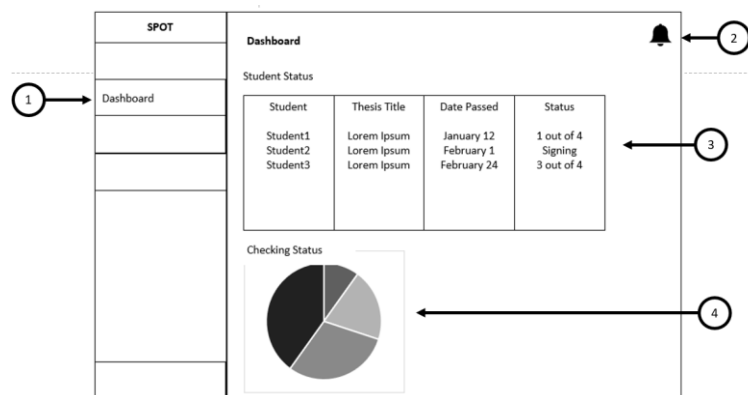


Figure 17. Conceptual Diagram for Instructor's Dashboard

Figure 18 shows the manage account panel (1) for the instructor's interface wherein the account approval button (2) will allow the instructor to approve pending accounts of users and shows the list of accounts that were already approved by the instructor and can also perform an edit and delete action (3).



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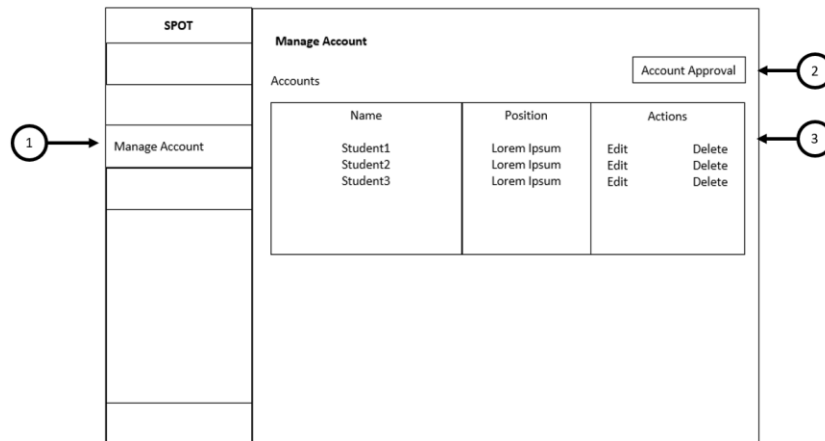


Figure 18. Conceptual Diagram for Instructor's Manage Account

Figure 19 shows the account approval panel from the manage account interface for the instructor. The close button (1) simply allows the instructor to exit. The account approval shows the list of the users that needs to be approved by the instructor by clicking the accept or remove action (2).

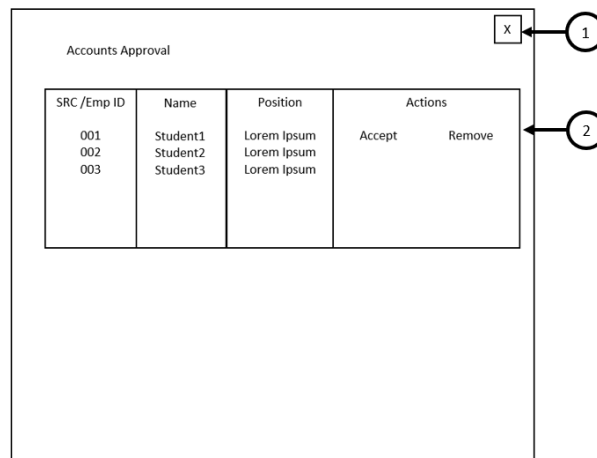


Figure 19. Conceptual Diagram for Instructor's Approval of Accounts

Figure 20 shows the interface for the committee's account. Logout button (1) allows the committee to simply exit and log out their account. Dashboard button (2) allows the



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committee to access the dashboard interface. The check manuscript button (3) allows the committee to access the form wherein they can check the manuscript. The history button (4) allows the committee to view their history of checking and the approved manuscript button (5) allows them to view the approved manuscript.

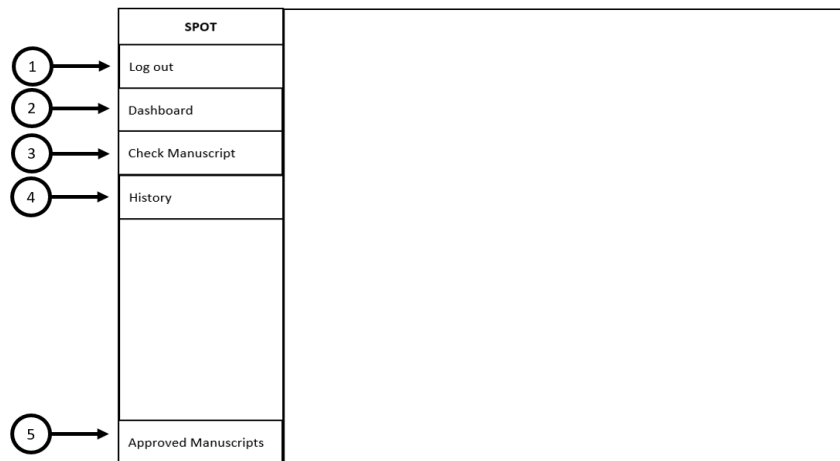


Figure 20. Conceptual Diagram for Committee's Account

Figure 21 shows the dashboard panel for the committees account wherein once the dashboard button (1) is clicked, the notification button (2) will be shown which allows them to be notified once there is an upload manuscript and pending text label (3) which indicates the number of the manuscript that needs to be checked. It also displays the checking status chart (4) which allows the committee to view the progress of their checking.



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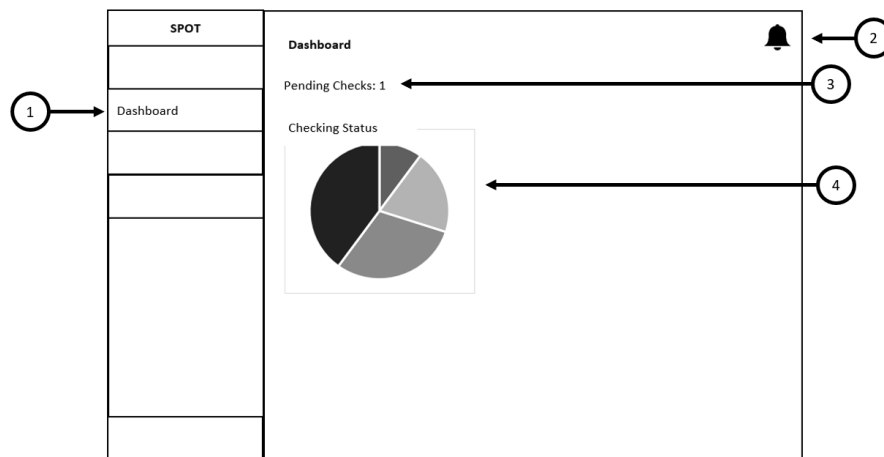


Figure 21. Conceptual Diagram for Committee's Dashboard

Figure 22 shows the check manuscript panel for the committee's interface. Once clicked (1), the list of the thesis manuscript will be displayed (2) together with the actions such as the approve button (3) which allow the committee to approve the manuscript, view button (4) which allows the committee to view the manuscript and the reject button (5) which allows to reject the manuscript.

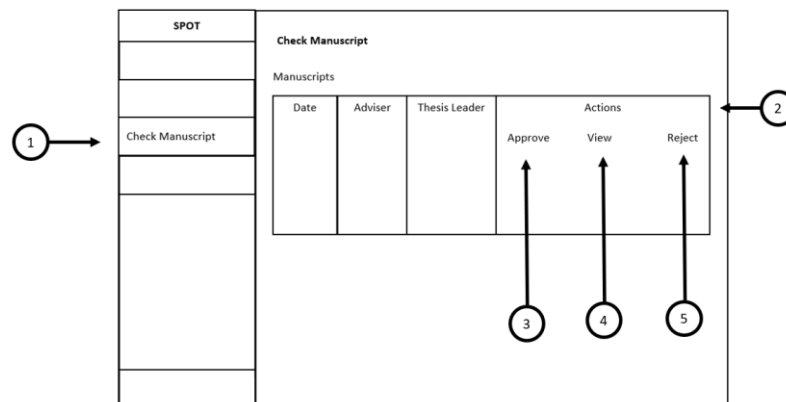


Figure 22. Conceptual Diagram for Committee's Manuscript Checking



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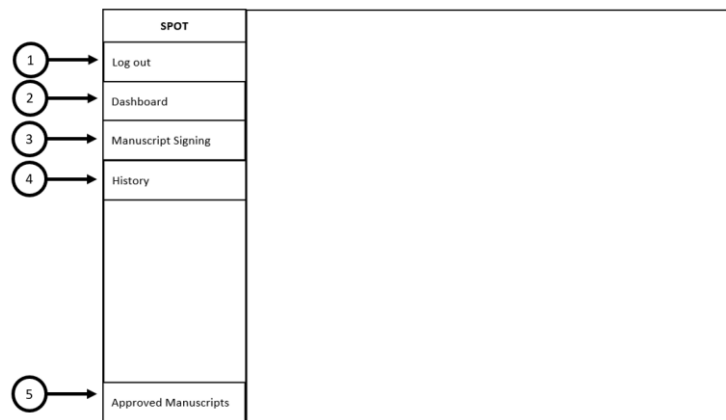


Figure 24. Conceptual Diagram for Dean's Account

Figure 25 shows the dashboard panel for the dean's interface. Once clicked (1), the dashboard will be displayed which include the notification button (2) which will allow the user to view the notification, the pending sign text label (3) which indicates the number of the number of manuscripts that needs to be signed together with the signing status chart (4) that will show the progress of signing manuscripts.

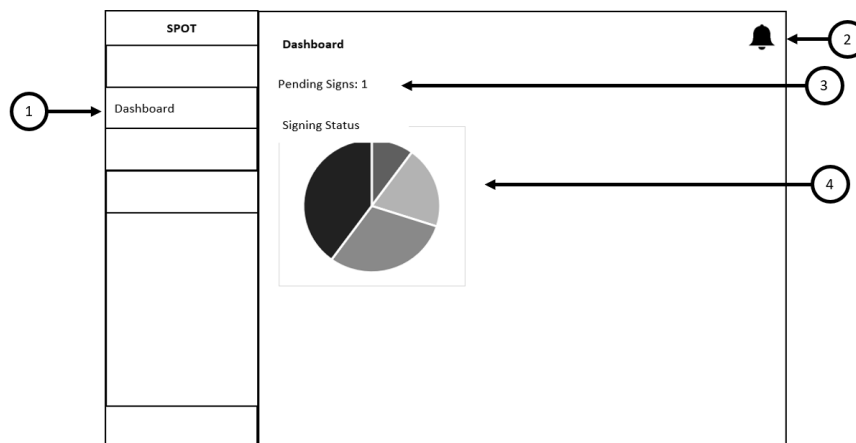


Figure 25. Conceptual Diagram for Dean's Dashboard



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Figure 26 shows the manuscript signing panel for the dean's interface. Once clicked (1), the list of manuscripts will be shown (2) that will allow the dean to sign the manuscript by clicking the sign button (3), view by clicking the view button (4) and reject by clicking the reject button (5).

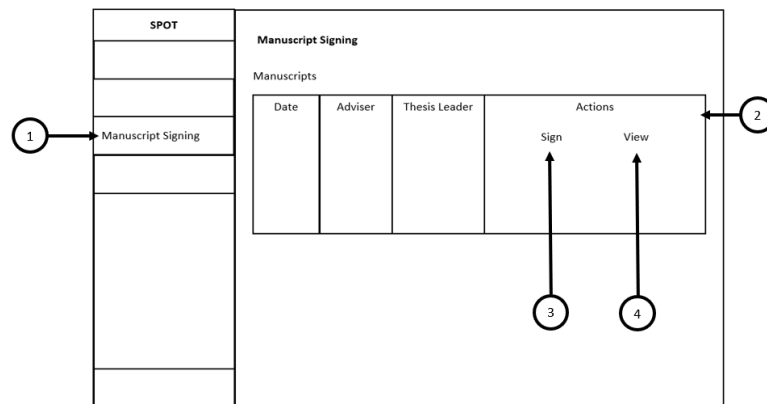


Figure 26. Conceptual Diagram for Dean's Manuscript Signing

Figure 27 shows the history panel for the dean's interface which when clicked (1), the list of the manuscript that was recently signed will be shown (2) and can be edited to add comment by clicking the edit button (3).

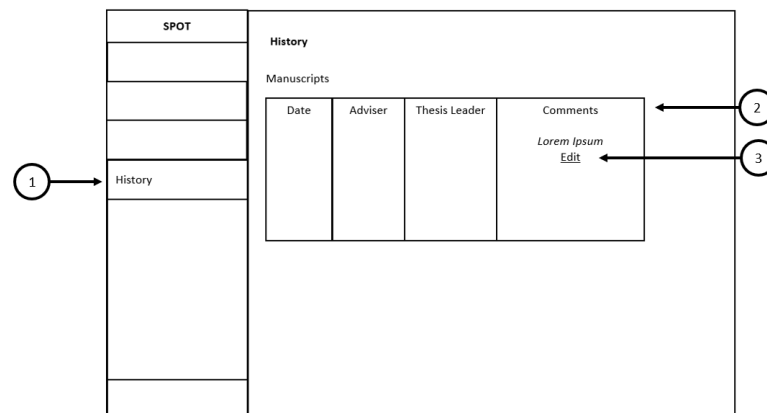


Figure 27. Conceptual Diagram for Dean's Manuscript Signing History



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Figure 28 shows the interface of the approved manuscript. Once the approved manuscript button is clicked (1), the list of the approved manuscript together with its details will be displayed (2).

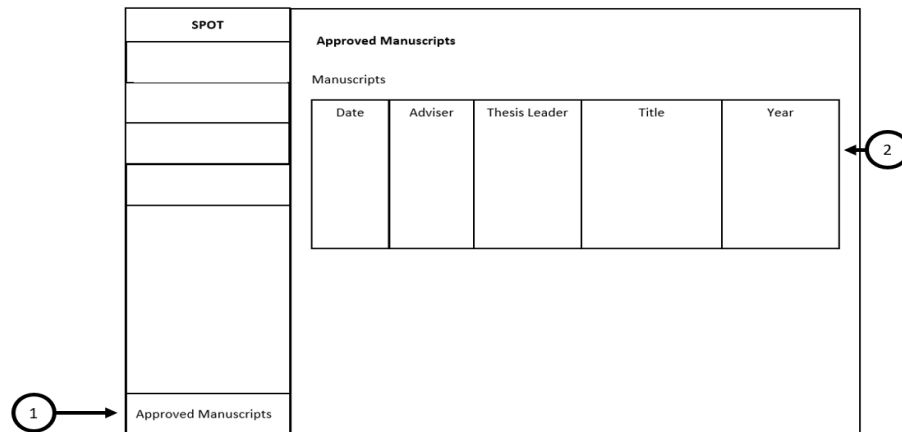


Figure 28. Conceptual Diagram for Approved Manuscript

Figure 29 shows the form for commenting on thesis manuscripts. The textbox (1) allows the thesis committee and dean to input comments on the manuscripts. When done constructing comments, the thesis committee and dean can click the post button (2) otherwise, they can click cancel (3)

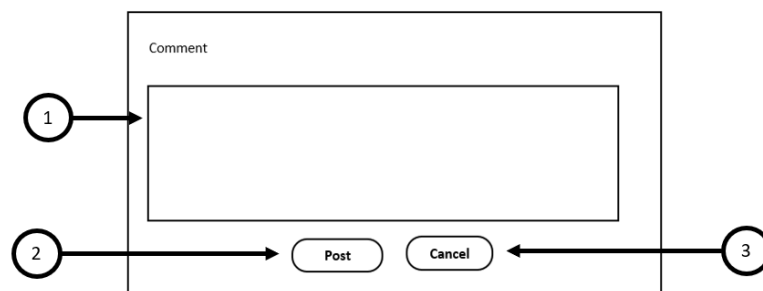


Figure 29. Conceptual Diagram for Commenting



Figure 30 shows the interface of the notification. Once the notification is clicked, the list of notifications will be displayed (1).

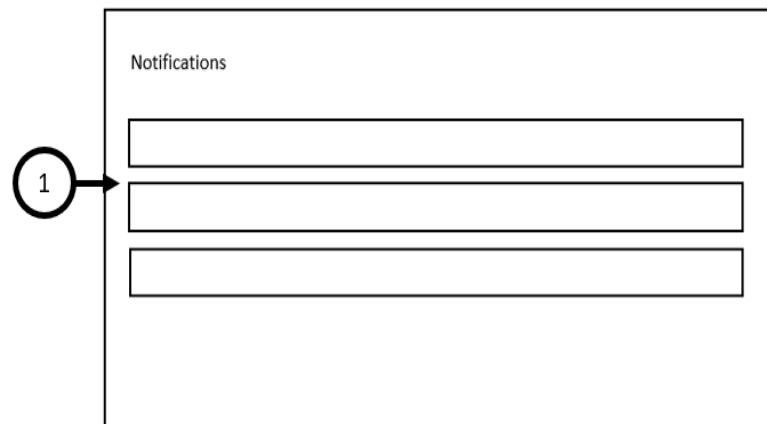


Figure 30. Conceptual Diagram for Viewing Notifications

Software Development Tool

In order to develop the system, the developers used several programming languages and software to achieve the desired functions of the developed system. The developers used MySQL and Hypertext Pre-processing (PHP) for backend development. The developers used MySql for storing data. It is a software product with a function of storing retrieving data as requested by other software applications. They focused on using an application that is easy to understand and has many operations and functions which are needed by the developed system. It can be a data storage backend with a variety of data. PHP is a HTML-embedded server-side scripting language. It can be used to create web systems and



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frameworks. The developers also used HTML, CSS, Bootstrap for frontend development of the system.

Visual Studio Code was also used by the developers as the programming tool of the system. PDFZorro is an online application that serves as a third-party application in the system that is used by the developers to allow editing and putting of comments on a pdf file uploaded by the researcher for checking.

To make the development of the system possible, the developers combine all of the software mentioned above in order to make the functionalities of the system and meet the requirements of the user.

Hardware Requirements

For the hardware requirements, personal computers and internet connection are required to run the system since it is a web-based system. The hardware requirements mentioned are needed for a better approach with the system. These can also help the users to operate the developed system properly and accurately. For the memory space, the developers require at least 10gb to store large amounts of data.

Table 3 shows the minimum hardware specifications of the system. The following hardware devices and equipment were used to develop the system. Also, these are the requirements and the tools together with its function that helped meet the proper standard needed by the developed system in order for developers to develop the system properly.



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Table 3
Hardware Requirements for Developing the System

Equipment	Type/Specification
Processor	At least 2.0 GHz
RAM	At least 4 GB
Free Memory Space (Hard drive)	At least 10 GB
Internet Speed Connection	At least 3mbps

Table 4 illustrates the hardware specifications for the users in order to use the developed system.

Table 4
Hardware Requirements for Using the System

Equipment	Type/Specification
Processor	At least 1.6 GHz
RAM	At least 4 GB
Free Memory Space (Hard drive)	At least 2 GB
Internet Speed Connection	At least 3mbps



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Software Requirements

The software tools that were used for the system are Windows 8.1 or up for the operating system, visual studio code as the programming tool, PHP, CSS and HTML as for programming language, and. MySQL 5.6 for database.

Table 5 illustrates the software specification for the server of the developed system. These are the minimum software requirements for the website to run properly. This may help the developers to achieve their goals for the developed system which includes the following: programming tool, programming language, database and operating system that used to attain the developed system.

Table 5
Software Requirements for Developing the System

Software	Type/Specification
Operating System	Windows 8.1 or up
Environment	Visual Studio Code
Programming Language	PHP 7.2, Bootstrap 4, HTML5
Database Management	MySQL 5.6
Online Editor	PDFZorro

Table 6 illustrates the software specification for the users of the system. These are the requirements for the users to run the website in a better approach.



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Table 6
Software Requirements for Using the System

Software	Type/Specification
Operating System	Windows 8.1 or up
Web Browser	Google Chrome, Mozilla Firefox, Microsoft Edge

Testing and Evaluation

System testing performs a vital role in the system's developmental progress because it checks whether the system meets the functional necessities or not. Several types of testing are practiced by the developers that aim to test the different aspects of the system.

In testing the system, the developers prepared a survey questionnaire composed of different criteria that the system must possess and used it to measure the components of the system. In developing, unit testing is done during the development process. The system's component is being tested and checked if every part is functioning as expected.

Method of Testing

Several software testing is undergone to ensure if the system is properly working. Through this, all the errors that the system can come across while it is being executed can be corrected and fixed. This will guarantee that the system is ready to be used as a finished program. For testing the program, the black-box method is used which is focused on the validation of the functional requirement.



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The black box testing method focuses on the input that goes into the system, and the output that is produced. It does not cover the inside details such as code, server logic, and development method. The functionality of a system is being tested without having knowledge of internal code structure and implementation details. Black Box Testing mainly focuses on input and output of the system and it is entirely based on software requirements and specifications.

System Evaluation

The developers used (International Organization for Standardization/International Electrotechnical Commission) 25010:2011 Systems and software Quality Requirements and Evaluation (SQuaRE) as a reference in making questions included in the survey questionnaire. Certain criteria like the functionality, usability, efficiency and reliability were considered in the system evaluation. Functionality determines whether the system satisfies the needs of the user, and if all the functions provide the desired output of the user. Usability refers to the ease of which the system functions can be easily learned and understood. Efficiency refers to a system's processing time when executing its functions to meet its criteria. Lastly, in the reliability category, it is the capability of software to maintain its level of performance under stated conditions for a stated period of time.

Table 7 shows the Likert Scale on how the research instructor, thesis committee, researcher and dean would rate the system in every statement of each category of the questionnaire.



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Table 7
Likert Scale

Rating	Interpretation
5	Strongly Agree
4	Agree
3	Neither Agree nor Disagree
2	Disagree
1	Strongly Disagree

The developers also included the range of verbal interpretation of the results of the survey. Table 8 shows the range of the corresponding verbal interpretation.

Table 8
Range of Verbal Interpretation

Rating	Interpretation
4.51-5.0	Strongly Agree
3.51-4.50	Agree
2.51-3.50	Neither Agree nor Disagree
1.51-2.50	Disagree
1.00-1.50	Strongly Disagree



CHAPTER 4

RESULTS AND DISCUSSION

This chapter presents the system results of the data gathered and the developed system. It contains the actual testing of the system and observations of the developers and users based on the objectives of the study as well as the analysis of results through testing and validation and interpretation of results.

Creating the Account of the Users

In creating the account of the users, the users must fill out the following form required to register an account. Figure 31 shows the form for creating an account, (1) they must fill out the first name, middle name, last name, sr-code, email, password and choose their department as well as their position. If the chosen position is researcher, then the (2) unique code must be filled out given by their instructor. After filling out the following form, they can now click the (3) register account button to register their accounts.

The screenshot shows a web form titled "Create an Account!". On the left is the Batangas State University logo with the text "LEADING INNOVATIONS, TRANSFORMING LIVES" below it. The form fields are as follows:

- Three text boxes for "First Name" (Airah Mae), "Middle Name" (Flores), and "Last Name" (DeGala).
- A text box for "SR-Code" (J18-69888).
- A text box for "Email" (airahmae.degala@g.batstate-u.edu.ph).
- Two password fields with masked characters (****) and a green checkmark icon indicating password strength.
- A dropdown menu for "Department" (College of Accountancy Business Economics and International Hosp).
- A dropdown menu for "Position" (Researcher).
- A text box for "Unique Code" (CABEIHMJTYrk) with annotation 2 pointing to it.
- A red "Register Account" button with annotation 3 pointing to it.
- Links for "Forgot Password?" and "Already have an account? Login!" at the bottom.

Annotations 1, 2, and 3 are shown in boxes with arrows pointing to the form fields: 1 points to the name fields, 2 points to the Unique Code field, and 3 points to the Register Account button.

Figure 31. Creating the Account of the User



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Uploading of Thesis Manuscript of the Researchers

Figure 32 shows the interface and process of uploading thesis manuscript. In uploading the thesis manuscript, the students need to assign (1) first their adviser, thesis committee and dean of the department by choosing the respective name in the drop down. To upload the thesis manuscript, the student must select a pdf type of file in the (2) browse section of the research file and also the grammarian certification file. Once done, they can now click the (3) upload button to proceed.

Figure 32. Uploading of Thesis Manuscript of the Researchers



Notification by the System

Figure 33 shows the interface where the notification appears once the researchers uploaded their thesis manuscript.

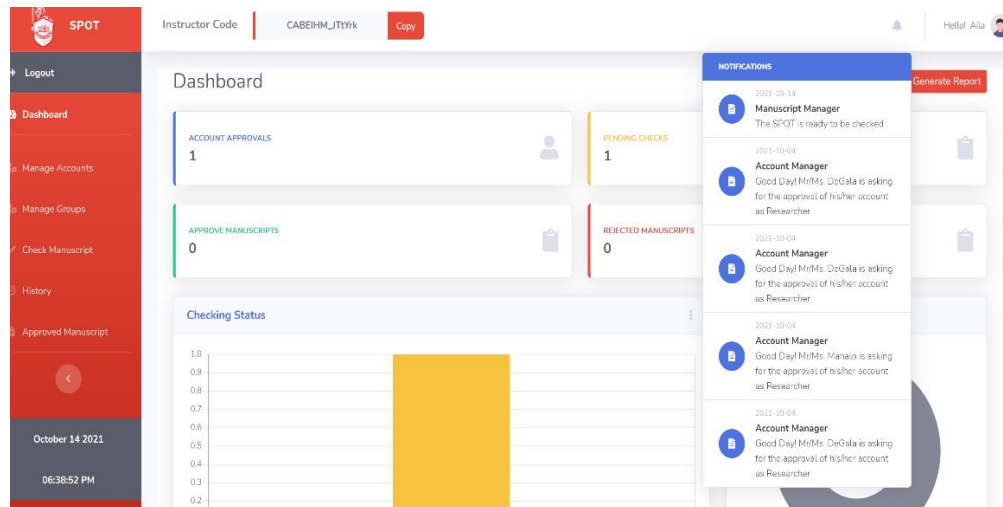


Figure 33. Notification by the System

Checking of Thesis Manuscript using PDF Zorro (online editor)

Figure 34 shows where the thesis committee can check and annotate the thesis manuscript uploaded by the student using the online editor.



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 Malvar, Batangas



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Figure 34. Checking of Thesis Manuscript using PDF Zorro

Approval of Thesis Manuscript

Figure 35 shows the interface where the thesis committee can (1) approve, annotate, reject or view the thesis manuscript.

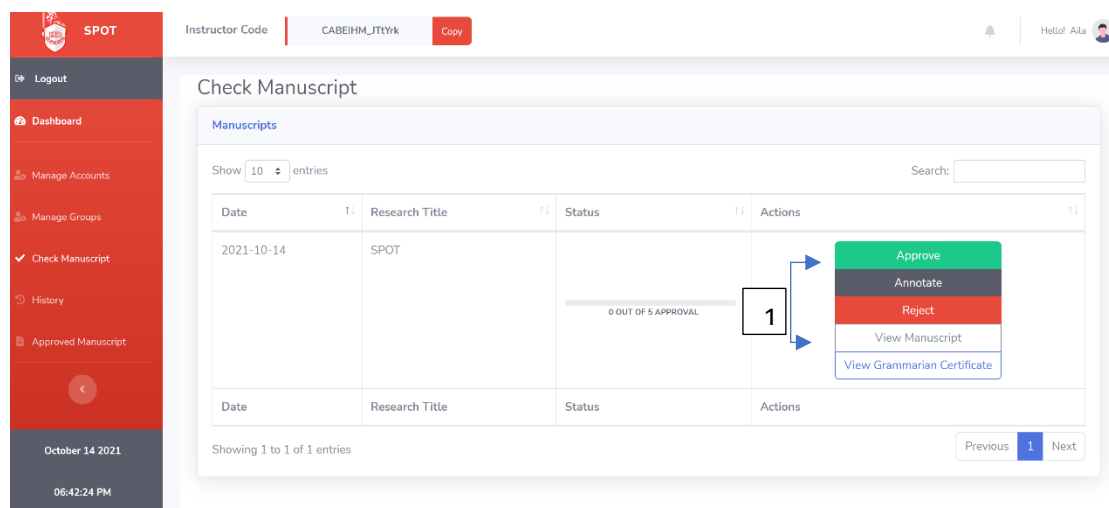


Figure 35. Approval of Thesis Manuscript



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Progress tracking for the Researchers

The dashboard of the researchers shown in Figure 36 are composed of running days of the thesis committee on checking and the checking status of their thesis manuscript.

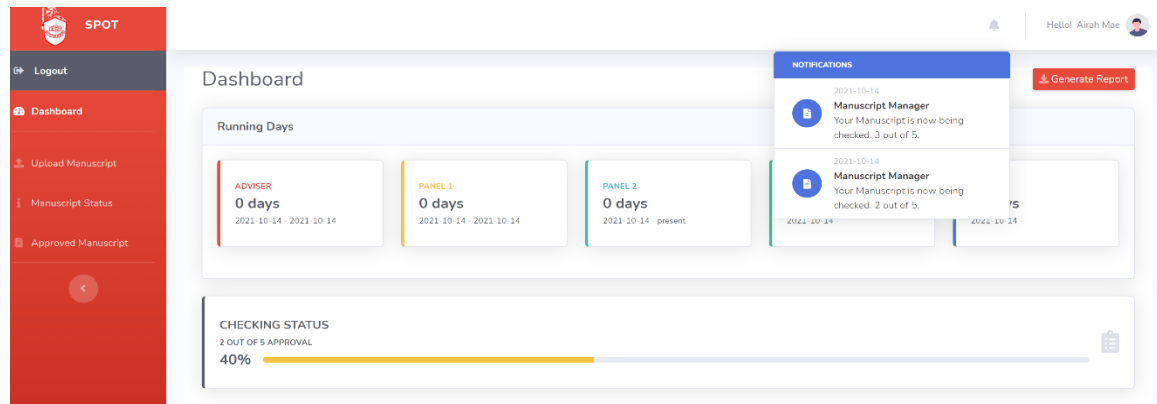


Figure 36. Progress tracking for the Researchers

Dashboard for monitoring the progress of the Thesis Manuscript

Figure 37 shows the interface where the thesis committee can view the pending manuscript to be check as well as the status of the researchers' thesis manuscript.

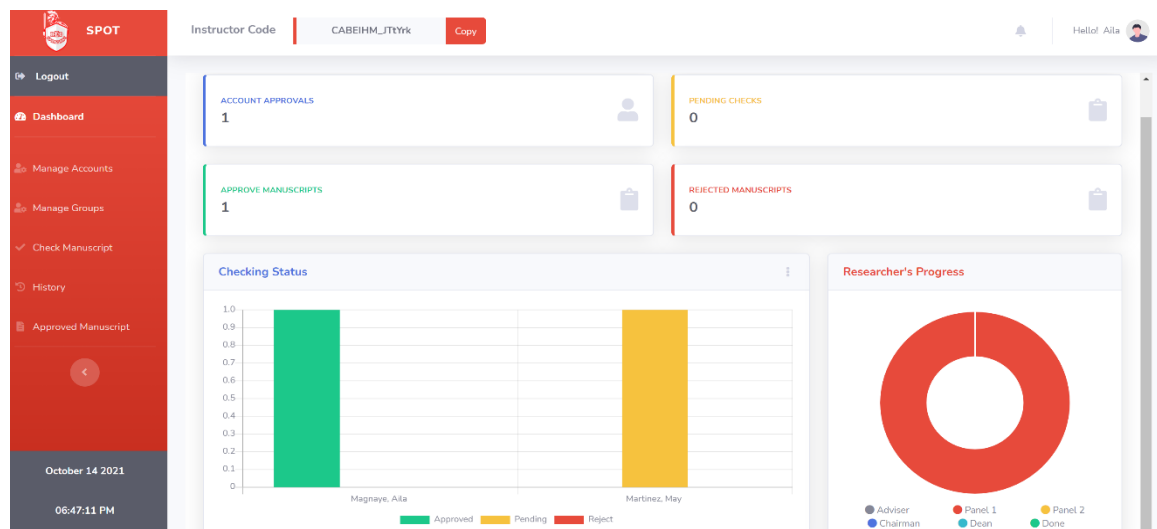


Figure 37. Dashboard for monitoring the progress of the Thesis Manuscript



Viewing of Approval Status

Figure 38 shows the interface where the (1) approval status can be seen.

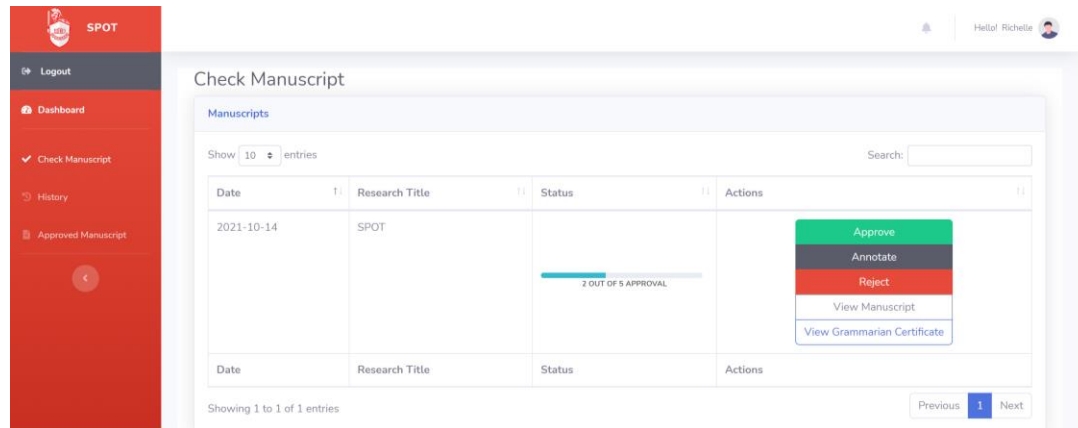


Figure 38. Viewing of Approval Status

Evaluation and Results

The developers conducted a post-assessment of the developed system with regards to checking the thesis manuscript of the researchers of Batangas State University JPLPC-Malvar to determine the functionality, reliability, usability and efficiency of the developed system.

This presents the system's results and discussion from the thesis instructor which also serves as the system administrator, thesis committee and the researchers who became the respondents of the developed system. With this approach, the developers are able to recognize if the developed system can be effective and efficient enough to be implemented.

The developers provided questionnaires for the research instructors wherein functionality is composed of six questions, four questions in usability, two questions in efficiency, and four questions in reliability.



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Table 9 shows the accumulated responses from the research instructor which will serves as the administrator of the system, the developers determined if the system works properly.

The overall functionality of the system resulted to the verbal interpretation of agree with a composite mean of 4.50 which proved that the research instructors' module is working properly according to its function.

Table 9
Summary of Evaluation and Results for Research Instructors in Terms of Functionality

Criteria	Weighted Mean	Verbal Interpretation
1. Functionality		
1.1 The system was able to register and log in their account using the unique code.	4.50	Agree
1.2 The system was able to view the pending accounts that are shown through notification and allow to approve or delete the registered accounts.	4.50	Agree
1.3 The system was able to operate the account management including the generating of unique code as well as the edit and delete action for the accounts.	4.50	Agree
1.4 The system was able to delete members that was assigned by the researchers.	4.50	Agree
1.5 The system was able to monitor the progress and status of the uploaded manuscripts.	4.50	Agree
1.6 The system was able to send them an email to reset their password.	4.50	Agree
Composite Mean	4.50	Agree



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Table 10 shows the result of the survey questionnaires in terms of usability which resulted to the composite mean of 4.63 with the verbal interpretation of strongly agree. This means that the developed system provides ease of use.

Table 10
Summary of Evaluation and Results for Research Instructors in terms of Usability

Criteria	Weighted Mean	Verbal Interpretation
1. Usability		
1.1 The system is user-friendly and can be easily accessed by the users.	5	Strongly Agree
1.2 The user interface of the system is pleasing and understandable by the user.	4.50	Agree
1.3 The system is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.	4.50	Agree
1.4 The system helps to lessen the workload and increase the productivity of the users.	4.50	Agree
Composite Mean	4.63	Strongly Agree

Table 11 shows the result of the survey questionnaires in terms of efficiency which resulted to the composite mean of 4.75 with the verbal interpretation of strongly agree. This means that the developed system's processing time achieve its goal to be efficient.



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Table 11
Summary of Evaluation and Results for Research Instructors in terms of Efficiency

Criteria	Weighted Mean	Verbal Interpretation
1. Efficiency		
1.1 The system responds to the user's needs.	5	Strongly Agree
1.2 The system provides and produce the needed output in a short period of time.	4.50	Agree
Composite Mean	4.75	Strongly Agree

Table 12 shows the last criteria evaluated by the research instructors. In table 12, the result for the reliability in the given survey was shown having a composite mean of 4.50 with the verbal interpretation of agree.

Table 12
Summary of Evaluation and Results for Research Instructors in terms of Reliability

Criteria	Weighted Mean	Verbal Interpretation
1. Reliability		
1.1 The system is operational and accessible when required for use.	4.50	Agree
1.2 The process of manuscript checking is well organized and works properly according to their function.	4.50	Agree
1.3 The system ensures that the data are accessible only to those authorized to have access.	4.50	Agree
Composite Mean	4.50	Agree

The average weighted mean resulted to 4.60 with the verbal interpretation of strongly agree which means that the system has met the needs of the research instructors based on its functionality, usability, efficiency and reliability.



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Table 13 shows the accumulated responses from the thesis committee. By the results of the survey questionnaires for the thesis committee, the developers determined if the system works properly according to their function. In terms of functionality, all of the questions resulted to the verbal interpretation of agree with the composite mean of 4.20. It means that the function of the system is working according to its function.

Table 13
Summary of Evaluation and Results for Thesis Committee in Terms of Functionality

Criteria	Weighted Mean	Verbal Interpretation
1. Functionality		
1.1 The system was able to register and log in their account using the unique code.	4.40	Agree
1.2 The email sent by the website provides notifications once the researchers have already uploaded their manuscript.	4.40	Agree
1.3 The online editor (PDF Zoro) easily allows to view and annotate the thesis manuscripts.	3.80	Agree
1.4 The system was able to see the progress of checking the thesis manuscript.	4.20	Agree
1.5 The history of checking manuscripts is accurate and is accessible for viewing.	4.00	Agree
1.6 The system was able to send them an email to reset their password.	4.40	Agree
Composite Mean	4.20	Agree

Table 14 shows the result of the survey questionnaires in terms of usability which resulted to the composite mean of 4.30 with the verbal interpretation of agree. This means



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that the developed system provides ease of use in checking the thesis manuscript of the researchers.

Table 14
Summary of Evaluation and Results for Thesis Committee in terms of Usability

Criteria	Weighted Mean	Verbal Interpretation
1. Usability		
1.1 The system is user-friendly and can be easily accessed by the users.	4.60	Strongly Agree
1.2 The user interface of the system is pleasing and understandable by the user.	4.20	Agree
1.3 The system is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.	4.20	Agree
1.4 The system helps to lessen the workload and increase the productivity of the users.	4.20	Agree
Composite Mean	4.30	Agree

Table 15 shows the result of the survey questionnaires in terms of efficiency which resulted to the composite mean of 4.30 with the verbal interpretation of agree. This means that the developed system's processing time in terms of checking the manuscripts have met its requirement.



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Table 15
Summary of Evaluation and Results for Thesis Committee in terms of Efficiency

Criteria	Weighted Mean	Verbal Interpretation
1. Efficiency		
1.1 The system responds to the user's needs.	4.60	Strongly Agree
1.2 The system provides and produce the needed output in a short period of time.	4.00	Agree
Composite Mean	4.30	Agree

Table 16 shows the last criteria evaluated by the thesis committee. In table 20, the result for the reliability in the given survey was shown having a composite mean of 4.33 with the verbal interpretation of agree.

Table 16
Summary of Evaluation and Results for Thesis Committee in terms of Reliability

Criteria	Weighted Mean	Verbal Interpretation
1. Reliability		
1.1 The system is operational and accessible when required for use.	4.40	Agree
1.2 The process of manuscript checking is well organized and works properly according to their function.	4.20	Agree
1.3 The system ensures that the data are accessible only to those authorized to have access.	4.40	Agree
Composite Mean	4.33	Agree

The average weighted mean resulted to 4.28 with the verbal interpretation of agree which means that the system has met the needs of the thesis committee based on its functionality, usability, efficiency and reliability.



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Table 17 shows the accumulated responses from the dean. By the results of the survey questionnaires from the dean, the developers determined if the system works properly according to their function. In terms of functionality, all of the questions resulted to the verbal interpretation of agree with the composite mean of 4.25. It means that the function of the system is working according to its function.

Table 17
Summary of Evaluation and Results for Dean in Terms of Functionality

Criteria	Weighted Mean	Verbal Interpretation
1. Functionality		
1.1 It is easy to generate and copy unique codes to be able disseminate it to the users.	4.00	Agree
1.2 The email sent by the website provides notifications once the thesis committee approves the manuscripts.	4.00	Agree
1.3 The online editor (PDF Zoro) allows to view and sign the approved thesis manuscripts.	4.50	Agree
1.4 The system was able to view the pending manuscripts to be signed.	4.50	Agree
1.5 The history of checking manuscripts is accurate and is accessible for viewing.	4.50	Agree
1.6 The system was able to send them an email to reset their password.	4.00	Agree
Composite Mean	4.25	Agree

Table 18 shows the result of the survey questionnaires in terms of usability which resulted to the composite mean of 4.13 with the verbal interpretation of agree. This means that the developed system provides ease of use in annotating the thesis manuscript of the researchers.



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Table 18
Summary of Evaluation and Results for Thesis Committee in terms of Usability

Criteria	Weighted Mean	Verbal Interpretation
1. Usability		
1.1 The system is user-friendly and can be easily accessed by the users.	4.50	Agree
1.2 The user interface of the system is pleasing and understandable by the user.	4.00	Agree
1.3 The system is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.	4.00	Agree
1.4 The system helps to lessen the workload and increase the productivity of the users.	4.00	Agree
Composite Mean	4.13	Agree

Table 19 shows the result of the survey questionnaires in terms of efficiency which resulted to the composite mean of 4.30 with the verbal interpretation of agree. This means that the developed system's processing time in terms of checking the manuscripts have met its requirement.

Table 19
Summary of Evaluation and Results for Dean in terms of Efficiency

Criteria	Weighted Mean	Verbal Interpretation
1. Efficiency		
1.1 The system responds to the user's needs.	4.50	Agree
1.2 The system provides and produce the needed output in a short period of time.	4.50	Agree
Composite Mean	4.50	Agree



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Table 20 shows the last criteria evaluated by the thesis committee. In table 24, the result for the reliability in the given survey was shown having a composite mean of 4.17 with the verbal interpretation of agree.

Table 20
Summary of Evaluation and Results for Dean in terms of Reliability

Criteria	Weighted Mean	Verbal Interpretation
1. Reliability		
1.1 The system is operational and accessible when required for use.	4.00	Agree
1.2 The process of manuscript checking is well organized and works properly according to their function.	4.00	Agree
1.3 The system ensures that the data are accessible only to those authorized to have access.	4.50	Agree
Composite Mean	4.17	Agree

Overall, the average weighted mean resulted to 4.26 with the verbal interpretation of agree which means that the system has met the needs of the dean based on its functionality, usability, efficiency and reliability.

Table 21 shows the accumulated responses from the researchers. By the results of the survey questionnaires for the researchers, the developers determined if the system works properly according to their function. In terms of functionality, all of the questions resulted to the verbal interpretation of strongly agree with the composite mean of 4.89. It means that the function of the system is working well and able to achieve its requirements.



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Table 21
Summary of Evaluation and Results for Researchers in Terms of
Functionality

Criteria	Weighted Mean	Verbal Interpretation
1. Functionality		
1.1 The system was able to register and log in their account using the unique code.	4.92	Strongly Agree
1.2 The system was able to assign group members easily.	4.85	Strongly Agree
1.3 The system was able to properly and easily assign the adviser, panels, chairman and dean.	4.92	Strongly Agree
1.4 The system was able to upload the thesis manuscript and grammarian certificate.	4.92	Strongly Agree
1.5 The system was able to monitor the progress and checking status of the uploaded manuscripts.	4.92	Strongly Agree
1.6 The system allows them to view the comments and suggestions from respective adviser, panel, chairman and dean.	4.85	Strongly Agree
1.7 The system was able to send them an email to reset their password.	4.85	Strongly Agree
Composite Mean	4.89	Strongly Agree

Table 22 shows the result of the survey questionnaires in terms of usability which resulted to the composite mean of 4.70 with the verbal interpretation of strongly agree. This means that the developed system provides ease of use in researcher's module.



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Table 22
Summary of Evaluation and Results for Researchers in terms of Usability

Criteria	Weighted Mean	Verbal Interpretation
1. Usability		
1.1 The system is user-friendly and can be easily accessed by the users.	4.62	Strongly Agree
1.2 The user interface of the system is pleasing and understandable by the user.	4.77	Strongly Agree
1.3 The system is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.	4.54	Strongly Agree
1.4 The system helps to lessen the workload and increase the productivity of the users.	4.85	Strongly Agree
Composite Mean	4.70	Strongly Agree

Table 23 shows the result of the survey questionnaires in terms of efficiency which resulted to the composite mean of 4.70 with the verbal interpretation of strongly agree. This means that the developed system's processing time is efficient on the researcher's side.

Table 23
Summary of Evaluation and Results for Researchers in terms of Efficiency

Criteria	Weighted Mean	Verbal Interpretation
1. Efficiency		
1.1 The system responds to the user's needs.	4.62	Strongly Agree
1.2 The system provides and produce the needed output in a short period of time.	4.77	Strongly Agree
Composite Mean	4.70	Strongly Agree



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Reliability is the last criteria that was evaluated by the researchers. Table 24 shows the result having a composite mean of 4.70 with the verbal interpretation of agree. This means that the system is reliable to use for uploading and checking of their manuscripts.

Table 24

Summary of Evaluation and Results for Researchers in terms of Reliability

Criteria	Weighted Mean	Verbal Interpretation
1. Reliability		
1.1 The system is operational and accessible when required for use.	4.70	Strongly Agree
1.2 The process of manuscript checking is well organized and works properly according to their function.	4.62	Strongly Agree
1.3 The system ensures that the data are accessible only to those authorized to have access.	4.77	Strongly Agree
Composite Mean	4.70	Strongly Agree

The average weighted mean resulted to 4.75 with the verbal interpretation of strongly agree which means that the system has met the needs of the researchers based on its functionality, usability, efficiency and reliability. The developed system can be a lot of help to the researchers.

Implementation Plan

Table 25 shows the implementation plan used by the developers to show the date schedule of every process and activities during the implementation of the developed system. In this table, the administrator which is the research instructor has the major involvement in the system.



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Table 25
Implementation Plan

Date	Activity	Person Involved
November 15, 2021	Presentation of the system to the client (Batangas State University- JPLPC Malvar)	College Deans, Developers
November 26, 2021	Finalizing the system according to the client's choices	Developers
January 14, 2022	Deploying the system to the internet	Developers
January 17, 2022	Testing of the system	College Dean, Research Instructors, Panelists, Researchers, Developers
January 24, 2022	Provide the client with an overview of the system. Conduct training to the client on how to use the system. Turnover of system accounts and functions to the client.	College Dean, Research Instructors, Panelists, Researchers, Developers



CHAPTER 5

SUMMARY OF FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

This chapter discusses the summary of findings regarding the efficiency of the developed system. This also gives the conclusion that was about what the study has observed after developing the system. It also presents the summary of recommendation for the enhancement of the system. It is what the developers had made based on the data gathered during the development of the developed system.

Summary of Findings

The SPOT: Online Thesis Manuscript Checking Platform using Workflow Model was developed by the developers to help improve the process of uploading and checking of thesis manuscripts of the researchers. After the development of the project, important findings have been found out and these are as follows:

1. The Online Thesis Manuscript Checking Platform provides a module with the following capabilities:
 - 1.1 The Online Thesis Manuscript Checking Platform enables the researchers to upload the soft copy of their thesis manuscript.;
 - 1.2 The thesis committee and research instructor can receive notification through the system and via email;
 - 1.3 The thesis committee can check and annotate the uploaded thesis manuscript using an online editor;
 - 1.4 The thesis committee are able to approve the thesis manuscript; lastly,



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- 1.5 The Online Thesis Manuscript Checking Platform provides a module for the following:
 - 1.5.1 research instructor;
 - 1.5.2 thesis committee;
 - 1.5.3 Dean; and,
 - 1.5.4 Researchers.
2. The Online Thesis Manuscript Checking Platform allows the users to have an account.
3. The Online Thesis Manuscript Checking Platform provides analytics feature where:
 - 3.1 The students can monitor the running days of checking thesis manuscript;
 - 3.2 Thesis committee and dean can view the pending manuscripts to be check and sign.;
 - 3.3 Research instructors can monitor the progress of checking and signing; and,
 - 3.4 View the approval status.
4. The Online Thesis Manuscript Platform was tested and assessed as follows:
 - 4.1 The developed system functioned properly and have met its requirement in every module of the system.



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4.2 The developed system provided a user-friendly interface that allows the user to understand and accessed the system easily and it provides ease of use.

4.3 The system was able to respond in user's needs.

4.4 The developed system provides a workflow that makes the process of checking manuscript well-organized.

Conclusions

Based on the gathered data and information, the developers therefore conclude that:

1. The system was able to provide an efficient platform for uploading and checking thesis manuscript, giving an ease of use, timeless, contactless, convenient and effective site.

1.1 The developers conclude that the developed system provides assistance to all the users since they can access the system to upload, provide comments and approve the thesis manuscript without being around the campus because they can use it online.

1.2 Developers conclude that it is helpful for both the researcher and thesis committee to use the system most specially in this trying time because of the pandemic for the developed system will allow them to have less face-to-face interaction to check the thesis manuscript.

1.3 The developers also conclude that the analytics feature that was provided by the system can be a great help to the users to easily evaluate and monitor the checking progress of the thesis manuscripts.



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2. The developers conclude that the developed system can be more reliable if it complies with the ISO/IEC 25010-2011 standards.
 - 2.1 In terms of functionality, the developers conclude that the functions of each modules have performed its action properly.
 - 2.2 In terms of usability, the developers conclude that the developed system has a user-friendly feature that allows the users to use and operate it easily.
 - 2.3 In terms of efficiency, the system are able to respond to the user's needs and produce the needed output in a short period of time.
 - 2.4 Lastly, in terms of reliability, the developers conclude that the developed system ensures that the data are accessible only to those authorized to have access and is accessible when require for use.
3. Developers conclude that a training plan would be of great help to the users of the SPOT: Online Thesis Manuscript Checking Platform using workflow model for them to have an overview and knowledge of what and how to use the developed system.

Recommendation

With this online thesis manuscript checking platform, the developers would like to recommend the following:

1. The Online Thesis Manuscript Checking Platform using workflow model must integrate other online editor that allows simultaneous editing of documents to increase the productivity of the users.



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2. The system should consider the prioritization of thesis manuscripts that has been checked multiple times first by the respective personnel.
3. The future developers can add a feature where the thesis committee are able to detect and check for plagiarized content.
4. The future developers should also consider having a version control to the files uploaded and checked on the system.



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Republic of the Philippines
BATANGAS STATE UNIVERSITY JPLPC-Malvar
Malvar, Batangas



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APPENDICES

- A. RELEVANT SOURCE CODE**
- B. EVALUATION QUESTIONNAIRE**
- C. SAMPLE INPUT AND OUTPUT**
- D. USER'S GUIDE**
- E. PROOF OF SYSTEM TURN-OVER**
- F. CURRICULUM VITAE**



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A. RELEVANT SOURCE CODE

Registration

```
1. <?php
2. session_start();
3. session_destroy();
4. ?>
5. <!DOCTYPE html>
6. <html lang="en">
7. <head>
8. <meta charset="utf-8">
9. <meta http-equiv="X-UA-
  Compatible"
  content="IE=edge">
10. <meta name="viewport"
    content="width=device-width,
    initial-scale=1, shrink-to-
    fit=no">
11. <meta name="description"
    content="">
12. <meta name="author"
    content="">
13. <title>SPOT - Register</title>
14. <!-- Custom fonts for this
    template-->
15. <link
    href="vendor/fontawesome-
    free/css/all.min.css"
    rel="stylesheet" type="text/css">
16. <link
17. href="https://fonts.googleapis.co
    m/css?family=Nunito:200,200i,3
    00,300i,400,400i,600,600i,700,7
    00i,800,800i,900,900i"
18. rel="stylesheet">
19. <script type="text/javascript">
20. var check = function() {
21. var pass1 =
    document.getElementById('pass
    word');
22. var pass2 =
    document.getElementById('repea
    tPassword');
23.
24. if (pass1.value.length > 5) {
25. document.getElementById("mess
    age").textContent = "";
26. if
    (document.getElementById('pass
    word').value ==
27. document.getElementById('repea
    tPassword').value) {
28. document.getElementById("chec
    ker").src="img/checked.png";
29. document.getElementById("regis
    terStudent").disabled = false;
```




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```
30. document.getElementById("regis
    terAdmin").disabled = false;
31. } else {
32. document.getElementById("chec
    ker").src="img/wrong.png";
33. document.getElementById("regis
    terStudent").disabled = true;
34. document.getElementById("regis
    terAdmin").disabled = true;
35. }
36. } else {
37. document.getElementById("mess
    age").textContent = "Password
    must have 6 characters or more";
38. document.getElementById("chec
    ker").src="img/wrong.png";
39. document.getElementById("regis
    terStudent").disabled = true;
40. document.getElementById("regis
    terAdmin").disabled = true;
41. }
42. }
43. </script>
44. <script>
45. function registerFunction() {
46. var pos =
        document.getElementById("pos"
        ).value;
47. var codeUnique =
        document.getElementById("code
        Unique");
48. var registerStudent =
        document.getElementById("regis
        terStudent");
49. var registerAdmin =
        document.getElementById("regis
        terAdmin");
50. if(pos>1){
51. document.getElementById("uni_
        code").value = ""
52. registerStudent.style.display="no
        ne";
53. registerAdmin.style.display="blo
        ck";
54. }
55. else{
56. codeUnique.style.display="block
        ";
57. document.getElementById("uni_
        code").value = ""
58. registerStudent.style.display="bl
        ock";
59. registerAdmin.style.display="no
        ne";
60. }
61. }
```



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```
62. function depFunction() {
63.   var dep =
        document.getElementById("dep"
        ).value;
64.
65.   document.getElementById("uni_
        code").value = ""
66. }
67. </script>
68. <script>
69. function disFunction() {
70.   var codeUnique =
        document.getElementById("code
        Unique");
71.   var registerStudent =
        document.getElementById("regis
        terStudent");
72.   var registerAdmin =
        document.getElementById("regis
        terAdmin");
73.   codeUnique.style.display="block
        ";
74.   registerStudent.style.display="bl
        ock";
75.   registerAdmin.style.display="no
        ne";
76. }
77. </script>

78. <!-- Custom styles for this
        template-->
79. <!--<link rel="stylesheet"
        href="{ { asset('css/sb-admin-
        2.min.css') } }" >-->
80. <!-- Custom styles for this
        template-->
81. <link href="css/sb-admin-
        2.min.css" rel="stylesheet">
82. <!-- UPLOADING
        FORMATING -->
83. <script
        src="https://ajax.googleapis.com/
        ajax/libs/jquery/3.5.1/jquery.min.
        js"></script>
84. <script
        src="https://cdnjs.cloudflare.com
        /ajax/libs/popper.js/1.16.0/umd/p
        opper.min.js"></script>
85. <script
        src="https://cdnjs.cloudflare.com
        /ajax/libs/moment.js/2.29.1/mom
        ent.min.js" integrity="sha512-
        qTXRIMyZIFb8iQcfjXWCO8+
        M5Tbc38Qi5WzdPOYZHIIIZpzB
        HG3L3by84BBBOiRGiEb7KKt
        AOAs5qYdUiZiQNNQ=="
        crossorigin="anonymous"
```



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<p>referrerpolicy="no-referrer"></script></p> <p>86. </head></p> <p>87. <body class="bg-gradient-danger" onload="disFunction()"></p> <p>88. <div class="container"></p> <p>89. <div class="card o-hidden border-0 shadow-lg my-5"></p> <p>90. <div class="card-body p-0"></p> <p>91. <!-- Nested Row within Card Body --></p> <p>92. <div class="row"></p> <p>93. <div class="col-lg-5 d-none d-lg-block"></p> <p>94. </p> <p>95. </div></p> <p>96. <div class="col-lg-7"></p> <p>97. <div class="p-5"></p> <p>98. <div class="text-center"></p> <p>99. <h1 class="h4 text-gray-900 mb-4">Create an Account!</h1></p> <p>100. </div></p> <p>101. <form class="user" onSubmit="return validate();" method="post"</p>	<p>action="controller_register.php"></p> <p>102. <div class="form-group row"></p> <p>103. <div class="col-sm-4 mb-3 mb-sm-0"></p> <p>104. <input type="text" class="form-control form-control-user" id="FirstName" placeholder="First Name" name="fname" required></p> <p>105. </div></p> <p>106. <div class="col-sm-4 mb-3 mb-sm-0"></p> <p>108. <input type="text" class="form-control form-control-user" id="MiddleName" placeholder="Middle Name" name="mname"></p> <p>109. </div></p> <p>110. <div class="col-sm-4"></p> <p>111. <input type="text" class="form-control form-control-user" id="LastName" placeholder="Last Name" name="lname" required></p> <p>112. </div></p> <p>113. </div></p> <p>114. </div></p> <p>115. </div></p>
--	---



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116. <div class="form-
group">
name="password"
onkeyup='check();' required>
117. <input type="text"
class="form-control form-
control-user" id="ID"
placeholder="Employee
ID / SR Code" name="uid"
required>
118. </div>
119. <div class="form-
group">
120. <input type="email"
class="form-control form-
control-user" id="inputEmail"
placeholder="Email
Address" name="email"
required>
121. </div>
122. <div class="form-group
row">
123. <div class="col-sm-5 mb-
3 mb-sm-0">
124. <input type="password"
class="form-control form-
control-user"
id="password"
placeholder="Password"
125. </div>
126. </div>
127. <div class="col-sm-2">
128. <img id="checker" src=""
width="50px">
129. </div>
130. </div>
131. <div class="form-
group">
132. <div class="col-sm-12">
133. <p class="small"
id="message"></p>
134. </div>
135. </div>
136. <div class="form-
group">
137. <div class="col-sm-12">
138. <p class="small"
id="message"></p>
139. </div>
140. </div>
141. <div class="form-
group">
142. <select class="form-
control form-select" aria-
label=".form-select-lg example"
143. </div>



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- | | |
|--|---|
| <p>name="dep"</p> <p>onchange="depFunction()"</p> <p>id="dep" required></p> <p>144. <option value="" disabled</p> <p> selected>Please select your</p> <p> College Department</option></p> <p>145. <option</p> <p> value="1">College of Arts and</p> <p> Sciences</option></p> <p>146. <option</p> <p> value="2">College of</p> <p> Accountancy Business</p> <p> Economics and International</p> <p> Hospitality</p> <p> Management</option></p> <p>147. <option</p> <p> value="3">College of</p> <p> Informatics and Computing</p> <p> Sciences</option></p> <p>148. <option</p> <p> value="4">College of Industrial</p> <p> Technology</option></p> <p>149. <option</p> <p> value="5">College of</p> <p> Engineering</option></p> <p>150. <option</p> <p> value="6">College of Teacher</p> <p> Education</option></p> | <p>151. </select></p> <p>152. </div></p> <p>153. <div class="form-</p> <p> group"></p> <p>154. <select class="form-</p> <p> control form-select" aria-</p> <p> label=".form-select-lg example"</p> <p> name="pos"</p> <p> onchange="registerFunction()"</p> <p> id="pos" required></p> <p>155. <option value="" disabled</p> <p> selected>Please select your</p> <p> Position</option></p> <p>156. <option</p> <p> value="1">Researcher</option></p> <p>157. <option</p> <p> value="2">Instructor</option></p> <p>158. <option</p> <p> value="3">Panel</option></p> <p>159. <option</p> <p> value="4">Dean</option></p> <p>160. </select></p> <p>161. </div></p> <p>162. <div class="form-group</p> <p> row" id="codeUnique"></p> <p>163. <div class="col-sm-12</p> <p> mb-3 mb-sm-0"></p> |
|--|---|



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```
164.      <input type="text"
          class="form-control form-
          control-user" id="uni_code"
165.      placeholder="Unique
          Code" name="uni_code"
          required>
166.      </div>
167.      </div>
168.      <button type="submit"
          name="registerStudent"
          id="registerStudent" class="btn
          btn-danger btn-user btn-block">
169.      Register Account
170.      </button>
171.      <button type="submit"
          name="registerAdmin"
          id="registerAdmin" class="btn
          btn-danger btn-user btn-block">
172.      Register Account
173.      </button>
174.      </form>
175.      <hr>
176.      <div class="text-center">
177.      <a class="small"
          href="forgot.php">Forgot
          Password?</a>
178.      </div>
179.      <div class="text-center">
180.      <a class="small"
          href="login.php">Already have
          an account? Login!</a>
181.      </div>
182.      </div>
183.      </div>
184.      </div>
185.      </div>
186.      </div>
187.      </div>
188.      <script>
189.      $('#uni_code').keyup(func
          tion(){
190.      var uniCode =
          $('#uni_code').val();
191.      var posCode =
          $('#pos').val();
192.      var depCode =
          $('#dep').val();
193.      if(posCode==1){
194.      $.ajax({
195.      url:
          'controller_code_checker.php',
196.      data: { uniCode :
          uniCode, depCode : depCode },
197.      dataType:'html',
198.      type:'POST',
199.      success: function(data) {
```



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```
200.     if(data=="Success") {
201.         $('#uni_code').css("color"
202.             ,"green");
203.     }
204.     else {
205.         $('#uni_code').css("color"
206.             ,"red");
207.         $('#registerStudent').attr('
208.             disabled','disabled');
209.     }
210.     }else if(posCode>1){
211.         $.ajax({
212.             url:
213.                 'controller_code_checker_dean.p
214.                 hp',
215.             data: { uniCode : uniCode
216.                 },
217.             dataType:'html',
218.             type:'POST',
219.             success: function(data) {
220.                 if(data=="Success") {
221.                     $('#uni_code').css("color"
222.                         ,"green");
223.                     $('#registerAdmin').remo
224.                         veAttr('disabled');
225.                 }
226.             }
227.         });
228.     }
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COLLEGE OF INFORMATICS AND COMPUTING SCIENCES

Checking Manuscript

234.	<?php	248.	\$option = 0;
235.	session_start ();	249.	?>
236.	if(isset(\$_SESSION['user'	250.	<!DOCTYPE html>
))){	251.	<html lang="en">
237.	include('database.php');	252.	<head>
238.	\$user =	253.	<meta charset="utf-8">
	\$_SESSION['user'];	254.	<meta http-equiv="X-
239.	\$query="SELECT *		UA-Compatible"
	FROM acc_registered WHERE		content="IE=edge">
	user_id='\$user';	255.	<meta name="viewport"
240.	\$sql =		content="width=device-width,
	mysqli_query(\$conn, \$query) or		initial-scale=1, shrink-to-
	die ("Registration Error:		fit=no">
	".mysqli_error(\$conn));	256.	<meta
241.	while(\$row =		name="description" content="">
	mysqli_fetch_array(\$sql)) {	257.	<meta name="author"
242.	\$user_name =		content="">
	\$row['user_id'];	258.	<title>Dashboard</title>
243.	\$user_email=	259.	<!-- Custom fonts for this
	\$row['user_email'];		template-->
244.	\$user_pass =	260.	<link
	\$row['user_pass'];		href="vendor/fontawesome-
245.	\$user_dept =		free/css/all.min.css"
	\$row['user_department'];		rel="stylesheet" type="text/css">
246.	\$user_pos =	261.	<link
	\$row['user_position'];	262.	href="https://fonts.google
247.	}		apis.com/css?family=Nunito:200



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```
,200i,300,300i,400,400i,600,600i
,700,700i,800,800i,900,900i"
263.      rel="stylesheet">
264.      <!-- Custom styles for
           this template-->
265.      <link href="css/sb-
           admin-2.min.css"
           rel="stylesheet">
266.      <!-- Custom styles for
           this page -->
267.      <link
           href="vendor/datatables/dataTables.
           bootstrap4.min.css"
           rel="stylesheet">
268.      <!-- UPLOADING
           FORMATING -->
269.      <script
           src="https://ajax.googleapis.com/
           ajax/libs/jquery/3.5.1/jquery.min.
           js"></script>
270.      <script
           src="https://cdnjs.cloudflare.com
           /ajax/libs/popper.js/1.16.0/umd/p
           opper.min.js"></script>
271.      <script
           src="https://maxcdn.bootstrapcdn.
           com/bootstrap/4.5.2/js/bootstrap.
           min.js"></script>
272.      </head>
273.      <body id="page-top">
274.      <!-- Begin Page Content -
           ->
275.      <div class="container-
           fluid">
276.      <!-- Page Heading -->
277.      <div class="d-sm-flex
           align-items-center justify-
           content-between mb-4">
278.      <h1 class="h3 mb-2 text-
           gray-800">Check
           Manuscript</h1>
279.      <a href="#" data-
           toggle="modal" data-
           target="#manualModal"
           class="d-none d-sm-inline-block
           btn btn-sm btn-danger shadow-
           sm">
280.      <i class="fas fa-question
           fa-sm text-white-50 mr-
           2"></i>Help</a>
281.      </div>
282.      <!-- DataTales Example -
           ->
283.      <div class="card shadow
           mb-4">
```



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284.	<div class="card-header	304.	<th
	py-3">		hidden>Manuscript</th>
285.	<h6 class="m-0 font-	305.	<th>Actions</th>
	weight-bold text-	306.	</tr>
	primary">Manuscripts</h6>	307.	</tfoot>
286.	</div>	308.	<tbody>
287.	<div class="card-body">	309.	<?php
288.	<div class="table-	310.	\$query = "SELECT
	responsive">		tbl_manuscripts.man_id,
289.	<table class="table table-		tbl_manuscripts.man_title,
	bordered" id="dataTable"		man_checkings.date_start,
	width="100%" cellpadding="0">		man_checkings.com_position
290.	<thead>	311.	FROM tbl_manuscripts
291.	<tr>	312.	JOIN man_checkings on
292.	<th>Date</th>		tbl_manuscripts.man_id =
293.	<th>Research Title</th>		man_checkings.man_id
294.	<th>Status</th>	313.	WHERE
295.	<th		man_checkings.man_checker =
	hidden>Manuscript</th>		'\$user_name'
296.	<th>Actions</th>	314.	AND
297.	</tr>		man_checkings.com_response =
298.	</thead>		'1' AND
299.	<tfoot>		man_checkings.com_position <
300.	<tr>		'5";
301.	<th>Date</th>	315.	\$sql =
302.	<th>Research Title</th>		mysqli_query(\$conn, \$query) or
303.	<th>Status</th>		die ("System Error 2:
			".mysqli_error(\$conn));



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<p>316. while(\$row = mysqli_fetch_array(\$sql)) { ++\$option; 317. ?> 318. <tr id=tr_<?php echo \$row['man_id']; ?>> 319. <td><?php echo \$row['date_start']; ?></td> 320. <td> 321. <?php echo \$row['man_title']; ?> 322. </td> 323. <td class="text-center align-middle"> 324. <div class="row no- gutters align-items-center"> 325. <div class="col"> 326. <div class="progress progress-sm mr-2"> 327. <div class="progress-bar bg-info" role="progressbar" 328. <?php 329. \$total=(((\$row['com_posi tion']-1)/5)*100); 330. ?> 331. style="width: <?php echo \$total; ?>% " aria-valuenow="50" aria-valuemin="0"</p>	<p>332. aria- valuemax="100"></div> 333. </div> 334. </div> 335. </div> 336. <div class="text-xs font- weight-bold text-dark text- uppercase mb-1"><?php echo (\$row['com_position']-1); ?> out of 5 approval 337. </div> 338. </td> 339. <td id="mID" hidden> 340. <?php echo \$row['man_id']; ?> 341. </td> 342. <td class="text-center align-middle"> 343. <div class="btn-group- vertical"> 344. <a class="btn btn-success passingIDApp" data-id="<?php echo \$row['man_id']; ?>" 345. href="#" data- toggle="modal" data- target="#ApproveModal">Appro ve 346. <a class="btn btn-dark"</p>
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<p>347. href="https://www.pdfzor ro.com/api.php?path_to_pdf=http ://spot- checking.com/uploads/<?php echo \$row['man_id']; ?>.pdf&save_url=http://spot- checking.com/pdf_fetch.php&tite l_save=title&data=123456"</p> <p>348. target="_blank">Annotat e</p> <p>349. <a class="btn btn-danger passingIDRej" data-id="<?php echo \$row['man_id']; ?>"</p> <p>350. href="#" data- toggle="modal" data- target="#RejectModal">Reject</ a></p> <p>351. <a class="btn btn-outline- secondary"</p> <p>352. href="https://spot- checking.com/uploads/<?php echo \$row['man_id']; ?>.pdf"</p> <p>353. target="_blank">View Manuscript</p> <p>354. <a class="btn btn btn- outline-primary"</p>	<p>355. href="https://spot- checking.com/uploads/g_<?php echo \$row['man_id']; ?>.pdf"</p> <p>356. target="_blank">View Grammarian Certificate</p> <p>357. </div></p> <p>358. </td></tr></p> <p>359. <?php } ?></p> <p>360. </tbody></p> <p>361. </table></p> <p>362. </div></div></p> <p>363. </div></div></p> <p>364. <!-- Manuscript Manual Modal--></p> <p>365. <div class="modal fade" id="manualModal" tabindex="- 1" role="dialog" aria- labelledby="manualLabel"</p> <p>366. aria-hidden="true"></p> <p>367. <div class="modal-dialog modal-lg" role="document"></p> <p>368. <div class="modal- content"></p> <p>369. <div class="modal- header"></p> <p>370. <h5 class="modal-title" id="manualLabel">FREQUENT LY ASKED QUESTIONS</h5></p>
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|---------------------------------------|--|
| 371. <button class="close" | 382. <!--How to enroll |
| type="button" data- | subjects?--> |
| dismiss="modal" aria- | 383. <u class="text-dark text- |
| label="Close"> | decoration-none">How to |
| 372. <span aria- | Approve or Reject |
| hidden="true">× | Manuscript?</u> |
| 373. </button> | 384. </button> |
| 374. </div> | 385. </h2> |
| 375. <div class="modal- | 386. </div> |
| body"> | 387. <div id="collapseOne" |
| 376. <div class="accordion" | class="collapse" aria- |
| id="accordionExample"> | labelledby="headingOne" data- |
| 377. <div class="card"> | parent="#accordionExample"> |
| 378. <div class="card-header" | 388. <div class="card-body"> |
| id="headingOne"> | 389. <strong class="text- |
| 379. <h2 class="mb-0"> | danger">Approving or Rejecting |
| 380. <button class="btn btn- | Manuscript : |
| link btn-block text-left" | 390. <hr> |
| type="button" data- | 391. <ul class="uk-list uk-list- |
| toggle="collapse" data- | bullet" style="margin- |
| target="#collapseOne" aria- | left:10px;font-size:15px |
| expanded="true" aria- | !important"> |
| controls="collapseOne" | 392. <li style="font-size:15px |
| class="d-none d-lg-inline text- | !important;"><strong |
| gray-600 small"> | class="text-danger">Step |
| 381. <i class="far fa-question- | 1 : Click the <strong |
| circle" aria-hidden="true"></i> | class="text-dark">Approve / |
| | Reject button on your |



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- desired manuscript to Approve /
 Reject.
393. <li style="font-size:15px
 !important;"><strong
 class="text-danger">Step
 2 : Insert your
 comment to the group owner of
 the manuscript
394. <li style="font-size:15px
 !important;"><strong
 class="text-danger">Step
 3 : Click the
 Approve / Reject
 approve / reject the
 manuscript
395.
396. </div>
397. </div>
398. </div>
399. <div class="card">
400. <div class="card-header"
 id="heading3">
401. <h2 class="mb-0">
402. <button class="btn btn-
 link btn-block text-left"
 type="button" data-
 toggle="collapse" data-
 target="#collapse3" aria-
- expanded="true" aria-
 controls="collapse3" class="d-
 none d-lg-inline text-gray-600
 small">
403. <i class="far fa-question-
 circle" aria-hidden="true"></i>
404. <!--How to enroll
 subjects?-->
405. <u class="text-dark text-
 decoration-none">How to view
 the Manuscript?</u>
406. </button>
407. </h2>
408. </div>
409. <div id="collapse3"
 class="collapse" aria-
 labelledby="heading3" data-
 parent="#accordionExample">
410. <div class="card-body">
411. <strong class="text-
 danger">Viewing Manuscript
 :
412. <hr>
413. <ul class="uk-list uk-list-
 bullet" style="margin-
 left:10px;font-size:15px
 !important">



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- | | |
|--|---|
| <p>414. <li style="font-size:15px
 !important;"><strong
 class="text-danger">Step
 1 : Click the <strong
 class="text-dark">View
 Manuscript button on
 your desired manuscript to
 View.</p> <p>415. </p> <p>416. </div></p> <p>417. </div></p> <p>418. </div></p> <p>419. <div class="card"></p> <p>420. <div class="card-header"
 id="heading2"></p> <p>421. <h2 class="mb-0"></p> <p>422. <button class="btn btn-
 link btn-block text-left"
 type="button" data-
 toggle="collapse" data-
 target="#collapse2" aria-
 expanded="true" aria-
 controls="collapse2" class="d-
 none d-lg-inline text-gray-600
 small"></p> <p>423. <i class="far fa-question-
 circle" aria-hidden="true"></i></p> | <p>424. <!--How to enroll
 subjects?--></p> <p>425. <u class="text-dark text-
 decoration-none">How to
 Annotate Manuscript?</u></p> <p>426. </button></p> <p>427. </h2></p> <p>428. </div></p> <p>429. <div id="collapse2"
 class="collapse" aria-
 labelledby="heading2" data-
 parent="#accordionExample"></p> <p>430. <div class="card-body"></p> <p>431. <strong class="text-
 danger">Annotating Manuscript
 :</p> <p>432. <hr></p> <p>433. <ul class="uk-list uk-list-
 bullet" style="margin-
 left:10px;font-size:15px
 !important"></p> <p>434. <li style="font-size:15px
 !important;"><strong
 class="text-danger">Step
 1 : Click the <strong
 class="text-dark">Annotate
 button on your desired
 manuscript to check.</p> |
|--|---|



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435. `<li style="font-size:15px
!important;"><strong
class="text-danger">Step
2 : Click the desired
page to comment`
436. `<li style="font-size:15px
!important;">`
437. `<strong class="text-
danger">Step 3 :`
Choose tool to use:
438. `<div class="alert alert-
info" role="alert">`
439. `<center></center>`
440. ``
441. `<li style="font-size:15px
!important;">Use
"Modify"
button to move the objects
created.`
442. `<li style="font-size:15px
!important;">Click
"Color" button
to change the color of the object
or text`
443. `<li style="font-size:15px
!important;">Click
"Border"
button to change the weight of
the border`
444. `<li style="font-size:15px
!important;">Use
"Rectangle"
button add rectangle to the
manuscript.`
445. `<li style="font-size:15px
!important;">Use
"Box" button
add box to the manuscript.`
446. `<li style="font-size:15px
!important;">Use
"Line" button
to insert a line to the
manuscript`
447. `<li style="font-size:15px
!important;">Use
"Pencil"
button to draw lines to the
manuscript.`
448. `<li style="font-size:15px
!important;">Use
"Write" button
insert text to the manuscript.`



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449. `<li style="font-size:15px` `class="text-danger">Step`
`!important;">Use` `6 : Close the PDF`
`"Erase" button` `Zorro.`
 to insert a white space to the
 manuscript
450. ``
451. `</div>`
452. ``
453. `<li style="font-size:15px` `!important;"><strong`
`class="text-danger">Step`
`4 : Click the Save`
 button once done commenting
 the manuscript
454. `<li style="font-size:15px` `!important;"><strong`
`class="text-danger">Step`
`4 : Click Finish and`
 download to finalize the
 manuscript.
455. `<li style="font-size:15px` `!important;"><strong`
`class="text-danger">Step`
`5 : To save it to the`
 server, click Save
 button.
456. `<li style="font-size:15px` `!important;"><strong`
457. `<div class="alert alert-`
`info" role="alert">`
458. `Note:`
459. ``
460. `<li style="font-size:15px` `!important;">Due to caching,`
 manuscript may take
 15-20 minutes to see it
 in the system.
461. ``
462. `</div>`
463. `</div></div>`
464. `</div></div>`
465. `</div></div>`
466. `</div></div>`
467. `<!-- Manucript Approval`
 Modal-->
468. `<div class="modal fade"`
`id="ApproveModal" tabindex="-`
`1" role="dialog" aria-`
`labelledby="ApproveModalLabe`
`l"`
469. `aria-hidden="true">`
470. `<div class="modal-`
`dialog" role="document">`



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```
471.      <div class="modal-
          content">
472.      <div class="modal-
          header">
473.      <h5 class="modal-title"
          id="ApproveModalLabel">Are
          you sure you want to approve
          this manuscript?</h5>
474.      <button class="close"
          type="button" data-
          dismiss="modal" aria-
          label="Close">
475.      <span aria-
          hidden="true">×</span>
476.      </button>
477.      </div>
478.      <div class="modal-
          body">
479.      <input type="text"
          class="form-control form-
          control-user" id="manApp"
          value="" hidden>
480.      <input type="text"
          class="form-control form-
          control-user" id="commentApp"
481.      placeholder="Enter
          Comment" name="uid">
482.      </div>
483.      <div class="modal-
          footer">
484.      <button class="btn btn-
          secondary" type="button" data-
          dismiss="modal">Cancel</butto
          n>
485.      <button id="modApp"
          class="btn btn-success buttApp"
          data-
          dismiss="modal">Approve</butt
          on>
486.      </div>
487.      </div>
488.      </div>
489.      </div>
490.      <!-- Manuscript Rejecting
          Modal-->
491.      <div class="modal fade"
          id="RejectModal" tabindex="-1"
          role="dialog" aria-
          labelledby="RejectModalLabel"
492.      aria-hidden="true">
493.      <div class="modal-
          dialog" role="document">
494.      <div class="modal-
          content">
495.      <div class="modal-
          header">
```



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```
496.      <h5 class="modal-title"           dismiss="modal">Cancel</butto
        id="RejectModalLabel">Are you      n>
        sure you want to reject this
        manuscript?</h5>
497.      <button class="close"
        type="button" data-
        dismiss="modal" aria-
        label="Close">
498.      <span aria-
        hidden="true">×</span>
499.      </button>
500.      </div>
501.      <div class="modal-
        body">
502.      <input type="text"
        class="form-control form-
        control-user" id="manRej"
        value="" hidden>
503.      <input type="text"
        class="form-control form-
        control-user" id="commentRej"
504.      placeholder="Enter
        Comment" name="uid">
505.      </div>
506.      <div class="modal-
        footer">
507.      <button class="btn btn-
        secondary" type="button" data-
        dismiss="modal">Reject</button
508.      <button id="modApp"
        class="btn btn-success buttRej"
        data-
        dismiss="modal">Reject</button
509.      </div></div>
510.      </div></div>
511.      <script>
512.      //FOR MAIN
513.      $(".passingIDApp").click
        (function() {
514.          var $row =
            $(this).closest("tr"); // Find the
            row
515.          var $mID =
            $row.find("#mID").text(); // Find
            the text
516.          //STORE THE TEXT
517.          var $remove_space =
            $mID.replace(/ /g,"")
518.          $("#manApp").val($remo
            ve_space);
519.          });
520.          //FOR MAIN
521.          $(".passingIDRej").click(
            function() {
```



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```
522.      var $row =
           $(this).closest("tr"); // Find the
           row
523.      var $mID =
           $row.find("#mID").text(); // Find
           the text
524.      //STORE THE TEXT
525.      var $remove_space =
           $mID.replace(/ /g,"")
526.      $("#manRej").val($remov
           e_space);
527.      });
528.      $(".buttApp").click(funci
           on () {
529.      var man_id =
           $("#manApp").val();
530.      var comment =
           $("#commentApp").val();
531.      $.ajax({
532.      url:'controller_manuscript
           _app.php',
533.      type:'POST',
534.      data: { man_id : man_id,
           comment: comment},
535.      success: function(result){
536.      jQuery('#tr_'+man_id).hi
           de();
537.      alert('Manuscript
           Approved');
538.      }
539.      })
540.      });
541.      $(".buttRej").click(funci
           on () {
542.      var man_id =
           $("#manRej").val();
543.      var comment =
           $("#commentRej").val();
544.      $.ajax({
545.      url:'controller_manuscript
           _rej.php',
546.      type:'POST',
547.      data: { man_id : man_id,
           comment: comment},
548.      success: function(result){
549.      jQuery('#tr_'+man_id).hi
           de();
550.      alert('Manuscript
           Rejected and considered for
           Revision');
551.      }
552.      })
553.      });
554.      </script>
555.      <!-- /.container-fluid -->
```



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<p>556. <!-- Bootstrap core JavaScript--></p> <p>557. <script src="vendor/jquery/jquery.min.js "></script></p> <p>558. <script src="vendor/bootstrap/js/bootstra p.bundle.min.js"></script></p> <p>559. <!-- Core plugin JavaScript--></p> <p>560. <script src="vendor/jquery- easing/jquery.easing.min.js"></s cript></p> <p>561. <!-- Custom scripts for all pages--></p> <p>562. <script src="js/sb-admin- 2.min.js"></script></p> <p>563. <!-- Page level plugins -- ></p> <p>564. <script src="vendor/datatables/jquery.dat aTables.min.js"></script></p> <p>565. <script src="vendor/datatables/dataTables s.bootstrap4.min.js"></script></p> <p>566. <!-- Page level custom scripts --></p>	<p>567. <script src="js/demo/datatables- demo.js"></script></p> <p>568. </body></p> <p>569. </html></p> <p>570. <?php</p> <p>571. }else{</p> <p>572. header("location:login.ph p");</p> <p>573. }</p> <p>574. ?></p> <p style="text-align: center;">PDF Fetching</p> <p>575. <?php</p> <p>576. require_once('database.ph p');</p> <p>577. \$filename =</p> <p> \$_GET['filename_save'];</p> <p>578. //Path to the edited PDF file, to get the file, use</p> <p> file_get_contents(URL);</p> <p>579. \$_GET['path_pdf_output'</p> <p>];</p> <p>580. \$content =</p> <p> file_get_contents(\$_GET['path_p df_output']);</p> <p>581. ?></p> <p>582. <?php</p>
--	---



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<pre> 583. \$folder="uploads/" .\$.filename; 584. file_put_contents(\$folder, \$content); 585. //URL to delete the PDF file from our server 586. echo base64_decode(\$_GET['delete_li nk_base64']); 587. ?> 588. <script> 589. alert('successfully commented'); 590. window.close(); 591. //window.location.href='i ndex.php?success'; 592. </script> Upload Manuscript 593. <?php 594. session_start (); 595. if(isset(\$_SESSION['user'])){ 596. include('database.php'); 597. \$user = \$_SESSION['user']; 598. \$query="SELECT * FROM acc_registered WHERE user_id='\$user'"; </pre>	<pre> 599. \$sql = mysqli_query(\$conn, \$query) or die ("Registration Error: ".mysqli_error(\$conn)); 600. while(\$row = mysqli_fetch_array(\$sql)) { 601. \$user_name = \$row['user_id']; 602. \$user_email= \$row['user_email']; 603. \$user_pass = \$row['user_pass']; 604. \$user_dept = \$row['user_department']; 605. \$user_pos = \$row['user_position']; 606. } 607. \$option = 0; 608. ?> 609. <!DOCTYPE html> 610. <html lang="en"> 611. <head> 612. <meta charset="utf-8"> 613. <meta http-equiv="X- UA-Compatible" content="IE=edge"> 614. <meta name="viewport" content="width=device-width, </pre>
--	---



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initial-scale=1, shrink-to-fit=no">	ajax/libs/jquery/3.5.1/jquery.min.js"></script>
615. <meta name="description" content="">	627. <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
616. <meta name="author" content="">	
617. <title>Dashboard</title>	628. <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
618. <!-- Custom fonts for this template-->	
619. <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">	629. <!-- JS -->
620. <link href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">	630. <script>
621. <!-- Custom styles for this template-->	631. \$(document).ready(function() {
622. <!-- UPLOADING FORMATING -->	632. \$('#uploadForm').on('submit', function(e) {
623. <script src="https://ajax.googleapis.com/	633. e.preventDefault();
	634. \$.ajax({
	635. xhr: function() {
	636. var xhr = new window.XMLHttpRequest();
	637. xhr.upload.addEventListener("progress", function(evt) {
	638. if (evt.lengthComputable) {
	639. var percentComplete = ((evt.loaded / evt.total) * 100);



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```
640.      $(".progress-          upload failed, please try
        bar").width(percentComplete +      again.</p>');
        '% ');
641.      $(".progress-
        bar").html(percentComplete+'%')
        ;
642.      }
643.      }, false);
644.      return xhr;
645.      },
646.      type: 'POST',
647.      url:
        'controller_upload.php',
648.      data: new
        FormData(this),
649.      contentType: false,
650.      cache: false,
651.      processData: false,
652.      beforeSend: function(){
653.      $(".progress-
        bar").width('0%');
654.      $('#uploadStatus').html('<
        img src="img/loading.gif"/>');
655.      },
656.      error:function(){
657.      $('#uploadStatus').html('<
        p style="color:#EA4335;"> File
        upload failed, please try
        again.</p>');
658.      },
659.      success:function(resp){
660.      if(resp == 'ok'){
661.      $('#uploadForm')[0].reset
        ();
662.      $('#uploadStatus').html('<
        p style="color:#28A74B;"> File
        uploaded sucessfully!.</p>');
663.      location.reload();
664.      }else if (resp == 'err'){
665.      $('#uploadStatus').html('<
        p style="color:#EA4335;">
        Please Select a valid pdf file to
        upload.</p>');
666.      }else{
667.      $('#uploadStatus').html('<
        p style="color:#EA4335;"> ' +
        resp + '</p>');
668.      }
669.      }
670.      });
671.      });
672.      // File type Validation
673.      $("#fileInput").change(fu
        nction(){
```




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```
674.      var allowedTypes =                transition: width .3s;transition:
        ['application/pdf'];                width .3s;}
675.      var file = this.files[0];
676.      var filetype = file.type;
677.      if(!allowedTypes.includes
        (filetype)){
678.      alert('Please select a valid
        PDF file.');
```

```
679.      $("#fileInput").val("");
680.      return false;
681.      }
682.      })
683.      });
684.      </script>
685.      <style>
686.      #progress-bar-file
        {background-color:
        #12CC1A;height:20px;color:
        #FFFFFF;width:0%;-webkit-
        transition: width .3s;-moz-
        transition: width .3s;transition:
        width .3s;}
687.      #progress-bar-cert
        {background-color:
        #12CC1A;height:20px;color:
        #FFFFFF;width:0%;-webkit-
        transition: width .3s;-moz-
```

```
688.      </style>
689.      </head>
690.      <body id="page-top">
691.      <!-- Begin Page Content -
        ->
692.      <div class="container-
        fluid">
693.      <!-- Page Heading -->
694.      <div class="d-sm-flex
        align-items-center justify-
        content-between mb-4">
695.      <h1 class="h3 mb-0 text-
        gray-800">Upload
        Manuscript</h1>
696.      </div>
697.      <!-- Content Row -->
698.      <div class="row">
699.      <!-- Approach -->
700.      <div class="card
        shadow">
701.      <div class="card-header
        py-3">
702.      <i class="fas fa-
        exclamation-triangle"></i>
```



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```
703.      <span class="mx-1 font-  
weight-bold text-  
danger">Advisory</span>  
704.      <p class="mt-1">Please  
be ensure that the manuscript you  
were about to upload is in PDF  
format</p>  
705.      </div>  
706.      <div class="card-body">  
707.      <?php  
708.      $query="SELECT  
group_num  
709.      FROM man_groupings  
710.      WHERE group_members  
= '$user_name';  
711.      $sql =  
mysqli_query($conn, $query) or  
die ("Group Error:  
".mysqli_error($conn));  
712.      $num_row1 =  
mysqli_num_rows($sql);  
713.      if ($num_row1>0){  
714.      while($row =  
mysqli_fetch_array($sql)) {  
715.      $group_name=$row['grou  
p_num'];  
716.      }  
717.      $query = "SELECT *  
FROM man_assignings WHERE  
ass_res = '$group_name';  
718.      $sql =  
mysqli_query($conn, $query) or  
die ("Group Error 2:  
".mysqli_error($conn));  
719.  
720.      $num_row2 =  
mysqli_num_rows($sql);  
721.      if ($num_row2>0){  
722.      ?>  
723.      <div>  
724.      <p class="mt-1">The  
group already uploaded the  
manuscript. Please wait for the  
panelist to check your  
manuscript</p>  
725.      </div>  
726.      <?php  
727.      }  
728.      else{  
729.      ?>  
730.      <!-- UPLOADING -->  
731.      <div>  
732.      <form id="uploadForm"  
enctype="multipart/form-data">  
733.      <!-- ADVISER -->
```



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```
734.      <div class="form-group
          row mb-1">
735.      <label for="form-adviser"
          class="col-sm-2 col-form-
          label">Adviser</label>
736.      <div class="col-sm-10">
737.      <select id="form-adviser"
          class="form-control"
          name="adviser" required>
738.      <option value="" disabled
          selected>--Please select your
          adviser--</option>
739.      <?php
740.      $query = "SELECT
          tbl_userlists.user_id,
741.      CONCAT(tbl_userlists.us
          er_lname,', '
          tbl_userlists.user_fname,'
          ',tbl_userlists.user_mname) as
          name
742.      FROM `tbl_userlists`
          WHERE user_position != 1";
743.      $sql =
          mysqli_query($conn, $query) or
          die ("System Error 1:
          ".mysqli_error($conn));
744.
745.      while($row =
          mysqli_fetch_array($sql)) {
          ++$option;
746.      ?>
747.      <option value="<?php
          echo $row['user_id']; ?>"> <?php
          echo $row['name']; ?></option>
748.      <?php
749.      }
750.      ?>
751.      </select>
752.      </div>
753.      </div>
754.      <!-- PANEL 1 and 2-->
755.      <div class="form-group
          row mb-1">
756.      <label for="form-panel1"
          class="col-sm-2 col-form-
          label">Panel 1</label>
757.      <div class="col-sm-10">
758.      <select id="form-
          panel1" class="form-control"
          name="panel1" required>
759.      <option value="" disabled
          selected>--Please select your
          panel 1--</option>
760.      <?php
```



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```
761.      $query = "SELECT
          tbl_userlists.user_id,
762.      CONCAT(tbl_userlists.us
          er_lname,', '
          tbl_userlists.user_fname,'
          ',tbl_userlists.user_mname) as
          name
763.      FROM `tbl_userlists`
          WHERE user_position != 1";
764.      $sql =
          mysqli_query($conn, $query) or
          die ("System Error 1:
          ".mysqli_error($conn));
765.      while($row =
          mysqli_fetch_array($sql)) {
          ++$option;
766.      ?>
767.      <option value="<?php
          echo $row['user_id']; ?>"> <?php
          echo $row['name']; ?></option>
768.      <?php
769.      }
770.      ?>
771.      </select>
772.      </div>
773.      </div>
774.      <div class="form-group
          row mb-1">
775.      <label for="form-panel2"
          class="col-sm-2 col-form-
          label">Panel 2</label>
776.      <div class="col-sm-10">
777.      <select id="form-
          panel2"class="form-control"
          name="panel2" required>
778.      <option value="" disabled
          selected>--Please select your
          panel 2--</option>
779.      <?php
780.      $query = "SELECT
          tbl_userlists.user_id,
781.      CONCAT(tbl_userlists.us
          er_lname,', '
          tbl_userlists.user_fname,'
          ',tbl_userlists.user_mname) as
          name
782.      FROM `tbl_userlists`
          WHERE user_position != 1";
783.      $sql =
          mysqli_query($conn, $query) or
          die ("System Error 1:
          ".mysqli_error($conn));
784.
785.      while($row =
          mysqli_fetch_array($sql)) {
          ++$option;
```



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<p>786. ?></p> <p>787. <option value="<?php echo \$row['user_id']; ?>"> <?php echo \$row['name']; ?></option></p> <p>788. <?php</p> <p>789. }</p> <p>790. ?></p> <p>791. </select></p> <p>792. </div></p> <p>793. </div></p> <p>794. <!-- CHAIRMAN--></p> <p>795. <div class="form-group row mb-1"></p> <p>796. <label for="form-chair" class="col-sm-2 col-form- label">Chairman</label></p> <p>797. <div class="col-sm-10"></p> <p>798. <select id="form- chair"class="form-control" name="chair" required></p> <p>799. <option value="" disabled selected>--Please select your Chairman--</option></p> <p>800. <?php</p> <p>801. \$query = "SELECT tbl_userlists.user_id, CONCAT(tbl_userlists.us er_fname,', ',</p>	<p>tbl_userlists.user_fname,' 'tbl_userlists.user_mname) as name</p> <p>803. FROM `tbl_userlists` WHERE user_position != 1";</p> <p>804. \$sql = mysqli_query(\$conn, \$query) or die ("System Error 1: ".mysqli_error(\$conn));</p> <p>805. while(\$row = mysqli_fetch_array(\$sql)) { ++\$option;</p> <p>806. ?></p> <p>807. <option value="<?php echo \$row['user_id']; ?>"> <?php echo \$row['name']; ?></option></p> <p>808. <?php</p> <p>809. }</p> <p>810. ?></p> <p>811. </select></p> <p>812. </div></p> <p>813. </div></p> <p>814. <!-- DEAN --></p> <p>815. <div class="form-group row mb-1"></p> <p>816. <label for="form-chair" class="col-sm-2 col-form- label">Dean</label></p>
---	--



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```
817.      <div class="col-sm-10">
818.      <select id="form-
chair"class="form-control"
name="dean" required>
819.      <option value="" disabled
selected>--Please select your
College Dean--</option>
820.      <?php
821.      $query = "SELECT
tbl_userlists.user_id,
822.      CONCAT(tbl_userlists.us
er_lname,', ',
tbl_userlists.user_fname,'
',tbl_userlists.user_mname) as
name
823.      FROM `tbl_userlists`
WHERE user_position = 4";
824.      $sql =
mysqli_query($conn, $query) or
die ("System Error 1:
".mysqli_error($conn));
825.      while($row =
mysqli_fetch_array($sql)) {
++$option;
826.      ?>
827.      <option value="<?php
echo $row['user_id']; ?>"> <?php
echo $row['name']; ?></option>
828.      <?php
829.      }
830.      ?>
831.      </select>
832.      </div>
833.      </div>
834.      <div class="form-group
row mb-1">
835.      <label for="form-mantit"
class="col-sm-2 col-form-
label">Research Title</label>
836.      <div class="col-sm-10">
837.      <input type="text"
class="form-control form-
control-user" id="form-mantit"
name="restitle"
838.      placeholder="--Please
input your Research Title--"
required>
839.      </div>
840.      </div>
841.      <div class="form-group
row mb-1">
842.      <label for="form-mantit"
class="col-sm-3 col-form-
label">Research File</label>
843.      <div class="custom-file
col-sm-9" id="file">
```



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<p>844. <input type="file" class="custom-file-input" id="file" name="file" accept=".pdf" required></p> <p>845. <label class="custom- file-label" for="file">--Choose Research File--</label></p> <p>846. </div></p> <p>847. <div class="form-group row mb-1"></p> <p>848. <div id="progress-bar- file"></div></p> <p>849. </div></p> <p>850. </div></p> <p>851. <div class="form-group row mb-1"></p> <p>852. <label for="cert" class="col-sm-3 col-form- label">Grammarians Certificate</label></p> <p>853. <div class="custom-file col-sm-9"></p> <p>854. <input type="file" accept=".pdf" class="custom- file-input" id="cert" name="cert" required></p> <p>855. <label class="custom- file-label" for="file">--Choose</p>	<p>Grammarians Certification file-- </label></p> <p>856. <input class="btn btn- danger rounded-pill mt-2 mb-2" id="btnSubmit" type="submit" name="submit_manuscript" value="Submit"></p> <p>857. </div></p> <p>858. </div></p> <p>859. </form></p> <p>860. <!-- Progress Bar --></p> <p>861. <div class="progress mt- 5"></p> <p>862. <div class="progress- bar"></p> <p>863. </div></p> <p>864. </div></p> <p>865. <div id="uploadStatus mt-1"></p> <p>866. </div></p> <p>867. <script></p> <p>868. // The name of the file appear on select</p> <p>869. \$(".custom-file- input").on("change", function() {</p> <p>870. var fileName = \$(this).val().split("\\").pop();</p>
---	---



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```
871.      $(this).siblings(".custom-
           file-
           label").addClass("selected").html
           (fileName);
872.      });
873.      </script>
874.      </div>
875.      <?php
876.      }
877.      }else
878.      {
879.      ?>
880.      <div>
881.      <p class="mt-1">Please
           Assign Groupings First</p>
882.      </div>
883.      <?php
884.      }
885.      ?>
886.      </div>
887.      </div>
888.      </div>
889.      </div>
890.      </div>
891.      <!-- /.container-fluid -->
892.      <!-- Footer -->
893.      <footer class="sticky-
           footer bg-white">
894.      <div class="container
           my-auto">
895.      <div class="copyright
           text-center my-auto">
896.      <span>SPOT: Online
           Thesis Manuscript Checking
           Platform &copy; 2021</span>
897.      </div>
898.      </div>
899.      </footer>
900.      <!-- End of Footer -->
901.      <!-- Bootstrap core
           JavaScript-->
902.      <script
           src="vendor/jquery/jquery.min.js
           "></script>
903.      <script
           src="vendor/bootstrap/js/bootstra
           p.bundle.min.js"></script>
904.      <!-- Core plugin
           JavaScript-->
905.      <script
           src="vendor/jquery-
           easing/jquery.easing.min.js"></s
           cript>
906.      <!-- Custom scripts for all
           pages-->
```




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907.	<script src="js/sb-admin- 2.min.js"></script>	912.	<script src="js/demo/chart-pie- demo.js"></script>
908.	<!-- Page level plugins -- >	913.	</body>
909.	<script src="vendor/chart.js/Chart.min.js "></script>	914.	</html>
910.	<!-- Page level custom scripts -->	915.	<?php
911.	<script src="js/demo/chart-area- demo.js"></script>	916.	}else{
		917.	header("location:login.ph p");
		918.	}
		919.	?>



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B. EVALUATION TOOL



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**“SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING
WORKFLOW MODEL”**

EVALUATION FORM FOR SYSTEM ADMINISTRATOR (Research Instructor)

Part I. General Information

Name (*Optional*): _____

Department: _____

Part II. Survey Questionnaire

Directions: Rate the level by putting check mark (/) on the column that corresponds to your answer. Please be guided by the scale below.

5 - Strongly Agree 4 - Agree 3 – Neither 2 - Disagree 1 - Strongly Disagree

FUNCTIONALITY	5	4	3	2	1
1. It is easy to register and log in my account using the unique code.					
2. Pending accounts will be shown through notification and will allow me to approve or delete the registered accounts.					
3. The account management is easy to operate including the generating of unique code as well as the edit and delete action for the accounts.					
4. The group assigned by the researchers is accessible to be deleted.					
5. The progress and status of the uploaded manuscripts can be easily monitored through the dashboard.					
6. It is easy to reset my password through an email sent to me by the system.					
USABILITY	5	4	3	2	1
1. The system is user-friendly and can be easily accessed by the users.					



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2. The user interface of the system is pleasing and understandable by the user.					
3. It is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.					
4. The system helps to lessen the workload and increase the productivity of the users.					
EFFICIENCY	5	4	3	2	1
1. The system responds to the user's needs.					
2. The system provides and produce the needed output in a short period of time.					
RELIABILITY	5	4	3	2	1
1. The system is operational and accessible when required for use.					
2. The process of manuscript checking is well organized and works properly according to their function.					
3. The system ensures that the data are accessible only to those authorized to have access.					

COMMENTS/SUGGESTIONS:

Thank you very much. God Bless!



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**“SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING
WORKFLOW MODEL”**

EVALUATION FORM FOR RESEARCHERS

Part I. General Information

Name (*Optional*): _____

Department: _____

Part II. Survey Questionnaire

Directions: Rate the level by putting check mark (/) on the column that corresponds to your answer. Please be guided by the scale below.

5 - Strongly Agree 4 - Agree 3 – Neither 2 - Disagree 1 - Strongly Disagree

FUNCTIONALITY	5	4	3	2	1
1. It is easy to register and log in my account using the unique code.					
2. The group assigning is easy to operate, allowing me to assign members properly.					
3. It is easy to assign my adviser, panel, chairman and dean properly.					
4. Uploading of thesis manuscript and grammarian certification file were fast and successfully sent to the assigned personnel.					
5. The progress and checking status of the documentation can be easily monitored through the dashboard.					
6. The manuscript status allows me to view the comments and suggestions from my adviser, panel, chairman and dean.					
7. It is easy to reset my password through an email sent to me by the system.					



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USABILITY	5	4	3	2	1
1. The system is user-friendly and can be easily accessed by the users.					
2. The user interface of the system is pleasing and understandable by the user.					
3. It is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.					
4. The system helps to lessen the workload and increase the productivity of the users.					
EFFICIENCY	5	4	3	2	1
1. The system responds to the user's needs.					
2. The system provides and produce the needed output in a short period of time.					
RELIABILITY	5	4	3	2	1
1. The system is operational and accessible when required for use.					
2. The process of manuscript checking is well organized and works properly according to their function.					
3. The system ensures that the data are accessible only to those authorized to have access.					

COMMENTS/SUGGESTIONS:

Thank you very much. God Bless!



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**“SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING
WORKFLOW MODEL”**

EVALUATION FORM FOR THESIS COMMITTEE (Adviser, Panel & Chairman)

Part I. General Information

Name (*Optional*): _____

Part II. Survey Questionnaire

Directions: Rate the level by putting check mark (/) on the column that corresponds to your answer. Please be guided by the scale below.

5 - Strongly Agree 4 - Agree 3 – Neither 2 - Disagree 1 - Strongly Disagree

FUNCTIONALITY	5	4	3	2	1
1. It is easy to register and log in my account using the unique code.					
2.The email sent to me by the website provides notifications once the researchers have already uploaded their manuscript.					
3. The online editor (PDF Zoro) easily allows me to view and annotate the thesis manuscripts that I received from the researchers.					
4. The system was able to see the progress of checking the thesis manuscript.					
5. The history of checking manuscripts is accurate and is accessible for viewing.					
6. It is easy to reset my password through an email sent to me by the system.					



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USABILITY	5	4	3	2	1
1. The system is user-friendly and can be easily accessed by the users.					
2. The user interface of the system is pleasing and understandable by the user.					
3. It is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.					
4. The system helps to lessen the workload and increase the productivity of the users.					
EFFICIENCY	5	4	3	2	1
1. The system responds to the user's needs.					
2. The system provides and produce the needed output in a short period of time.					
RELIABILITY	5	4	3	2	1
1. The system is operational and accessible when required for use.					
2. The process of manuscript checking is well organized and works properly according to their function.					
3. The system ensures that the data are accessible only to those authorized to have access.					

COMMENTS/SUGGESTIONS:

Thank you very much. God Bless!



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**“SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING
WORKFLOW MODEL”**

EVALUATION FORM FOR THE DEAN

Part I. General Information

Name (*Optional*): _____

Department: _____

Part II. Survey Questionnaire

Directions: Rate the level by putting check mark (/) on the column that corresponds to your answer. Please be guided by the scale below.

5 - Strongly Agree **4** - Agree **3** – Neither **2** - Disagree **1** - Strongly Disagree

FUNCTIONALITY	5	4	3	2	1
1. It is easy to generate and copy unique codes to be able disseminate it to the users.					
2.The email sent to me by the website provides notifications once the thesis committee approves the manuscripts.					
3.The online editor (PDF Zoro) easily allows me to view and sign the approved thesis manuscripts.					
4. The dashboard allows me to easily view the pending manuscripts to be signed.					
5. The history of checking manuscripts is accurate and is accessible for viewing.					
6. It is easy to reset my password through an email sent to me by the system.					



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USABILITY	5	4	3	2	1
1. The system is user-friendly and can be easily accessed by the users.					
2. The user interface of the system is pleasing and understandable by the user.					
3. It is easy to operate, control and is appropriate to use which results to user's efficiency and productivity.					
4. The system helps to lessen the workload and increase the productivity of the users.					
EFFICIENCY	5	4	3	2	1
1. The system responds to the user's needs.					
2. The system provides and produce the needed output in a short period of time.					
RELIABILITY	5	4	3	2	1
1. The system is operational and accessible when required for use.					
2. The process of manuscript checking is well organized and works properly according to their function.					
3. The system ensures that the data are accessible only to those authorized to have access.					

COMMENTS/SUGGESTIONS:

Thank you very much. God Bless!



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C. Sample Input/ Output Reports

Figure 39 shows the process of putting input to data and file for uploading. The data that are needed to input are the names of the thesis committee.

Logout

Dashboard

Upload Manuscript

Manuscript Status

Approved Manuscript

October 04 2021

10:41:17 AM

Upload Manuscript

Advisory
Please be ensure that the manuscript you were about to upload is in PDF format

Adviser: Magnaye, Aila

Panel 1: Martinez, May

Panel 2: Marquez , Richelle

Chairman: Capule, Ken

Dean: Tabion, Geremea

Research Title: SPOT

Research File: SPOT-CHAPTER-1 (1).pdf **Browse**

Grammarian Certificate: --Choose Grammarian Certification file-- **Browse**

Upload

Figure 39. Sample Input

Figure 40 shows the output of the inputted files and data by the students. The thesis committee that was assigned by the students are able to receive the uploaded files.

SPOT

Instructor Code: CABIHM_JTYrk **Copy**

Check Manuscript

Manuscripts

Show 10 entries

Search:

Date	Research Title	Status	Actions
2021-10-14	SPOT	0 OUT OF 5 APPROVAL	Approve Annotate Reject View Manuscript View Grammarian Certificate

Showing 1 to 1 of 1 entries

Previous 1 Next

Figure 40. Sample Output



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D. User's Guide

Login Form for the Research Instructor

The page shows the interface where the users must input their email and password to access the website. The account of the users are obtained through registration,



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SPOT!
Online Thesis Manuscript Checking Platform

Enter Email

Enter Password

Login

[Forgot Password?](#)
[Create an Account!](#)

1. Input email and password

Upload Thesis Manuscript

This page shows the interface where the assigning of thesis committee and uploading of thesis manuscript is done.

The screenshot shows the 'Upload Manuscript' page of the SPOT! platform. On the left is a sidebar with navigation links: Logout, Dashboard, Upload Manuscript, Manuscript Status, and Approved Manuscript. The main content area has a title 'Upload Manuscript' and an advisory message: 'Please be ensure that the manuscript you were about to upload is in PDF format'. Below this are several dropdown menus for assigning the thesis committee: Adviser (Magnaye, Aila), Panel 1 (Martinez, May), Panel 2 (Marquez, Richelle), Chairman (Capule, Ken), and Dean (Tabion, Geremea). There is also a text field for 'Research Title' containing 'SPOT'. At the bottom, there are two file upload sections: 'Research File' with a file named 'SPOT-CHAPTER-1 (1).pdf' and a 'Browse' button, and 'Grammarian Certificate' with a placeholder '--Choose Grammarian Certification file--' and a 'Browse' button. An 'Upload' button is located at the bottom center of the form.



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1. Choose the assigned adviser, panelists, chairman and dean.
2. Input the Research Title
3. Choose the thesis manuscript to be uploaded.
4. Choose the grammarian certification file to be uploaded.
5. Click upload button to finish.

Approving of Thesis Manuscript

This page shows the interface where the thesis committee are able to approve, annotate, reject, view manuscript and view grammarian certificate.

SPOT

Logout

Dashboard

Check Manuscript

History

Approved Manuscript

October 14 2021

08:24:34 PM

Check Manuscript

Manuscripts

Show 10 entries

Search:

Date	Research Title	Status	Actions
2021-10-14	SPOT	2 OUT OF 5 APPROVAL	<div>Approve</div> <div>Annotate</div> <div>Reject</div> <div>View Manuscript</div> <div>View Grammarian Certificate</div>

Showing 1 to 1 of 1 entries

Previous 1 Next

1. Click Approve to approve the thesis manuscript.
2. Click Annotate to add comments or check the thesis manuscript.
3. Click Reject to reject the thesis manuscript.
4. Click View Manuscript to view the uploaded thesis manuscript.
5. Click View Grammarian Certificate to view the uploaded grammarian certificate.



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Annotate the uploaded Thesis Manuscript

This is the interface where the thesis committee and dean are able to add comments, add e-signature and check the uploaded thesis manuscript.

The screenshot displays the PDFZorro web interface for annotating a PDF document. On the left, there are toolbars for file management (Add, Finish/Download), editing (Modify, Select, Copy, Paste, etc.), and drawing (Rect, Box, Line, Pencil, Write, Erase, Mark). The main area shows a PDF document titled "CHAPTER 1 INTRODUCTION" from Batangas State University JPLPC-Malvar. The document text is visible, and there are red annotations (a circle and a line) on the page. Below the PDF viewer, there is a list of instructions for using the interface.

1. Click the Write Tool to add comments.
2. Click Add Image to add e-signature to the thesis file.
3. Save the commented file by clicking save then Finish/Download.



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E. GRAMMARIAN'S CERTIFICATION

CERTIFICATE OF EDITING OF THESIS/DISSERTATION

This is to certify that this Thesis/Dissertation entitled **“SPOT: ONLINE THESIS MANUSCRIPT CHECKING PLATFORM USING WORKFLOW MODEL”** of **BISCOCHO, VAL JUNIEL M.**, and **MAGNAYE, MADELENE D.** in partial fulfillment of the requirements for the degree Bachelor of Science in Information Technology Major in Business Analytics has been reviewed and edited by the undersigned based on the minutes of the Final Defense.

It now follows the standard format of the University and conventions of research writing.


MADELYN F. GREGORIO
Signature over Printed Name
Editor

Date Signed: 22 December 2021



F. PROOF OF SYSTEM TURN-OVER





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Malvar, Batangas
Tel. Nos.: (043) 778-2170/ (043) 406-0830 loc. 1068
Website Address: <http://www.batstate-u.edu.ph>



COLLEGE OF INFORMATICS AND COMPUTING SCIENCES

March 10, 2021

Dr. AMADO C. GEQUINTO
Vice Chancellor for Academic Affairs
This University

Dr. Gequinto:

Greetings of peace and goodwill! We, bonafide third year students of the College of Informatics and Computing Sciences, Batangas State University JPLPC-Malvar, Malvar, Batangas are *currently enrolled in IT Capstone Project I* which requires us to write a research paper and develop a computer system/program entitled: *SPOT: Online Thesis Manuscript Checking and Management Platform using Workflow Model*. The main objective of this project is to design, develop and apply an innovative process of thesis manuscript uploading, workflow directing, checking and progress monitoring.

It is for the reason that we are requesting your good office to allow for data gathering purposes. We intend to conduct interview and observation on your preferred date and in your most convenient time.

Please be assured that all data that may be gathered will be treated with utmost confidentiality and will be used for academic purposes only.

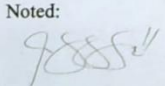
We are looking forward that our request would merit your positive response. Thank you very much and more power.

Very truly yours,

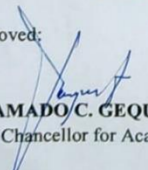

Mr. VAL JUNIEL M. BISCOCHO


Ms. MADELENE D. MAGNAYE

Noted:


Ms. MARIA GRACIELA R. BUCAD, MSCS
Dean / Research Instructor
0917-303-1962 | mariagraciela Bucad@g.batstate-u.edu.ph

Approved:


Dr. AMADO C. GEQUINTO
Vice Chancellor for Academic Affairs



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G. CURRICULUM VITAE



EDUCATIONAL BACKGROUND

Bachelor of Science in Information Technology

Batangas State University JPLPC-Malvar
Campus, Malvar, Batangas
2018 – Present

SUMMARY OF QUALIFICATION

- Basic knowledge in Web Designing and Web Development (HTML, CSS, PHP)
- Basic knowledge in Programming (Visual Basic, Python, Java, C++)
- Proficient in Microsoft Office (MS Word, Excel, PowerPoint, Internet, etc)

PERSONAL INFORMATION

Age : 21 yrs. old
Date of Birth : June 22, 2000
Place of Birth : Sto. Tomas Batangas
Gender : Male
Civil Status : Single
Height : 5' 5"
Weight : 56kgs
Nationality : Filipino
Religion : Roman Catholic

I do hereby certify that the above information is true and correct to the extent of my knowledge and ability.


VAL JUNIEL M. BISCOCHO
Developer

VAL JUNIEL M. BISCOCHO

Address: Sta. Maria, Sto. Tomas, Batangas

Contact No.: 09205396542

Email: valjuniel123@gmail.com

CAREER OBJECTIVE

- To design, develop and deploy an Online Thesis Manuscript Checking Platform for Batangas State University-JPLPC Malvar.

SEMINARS ATTENDED

- **DCodeX: An Introduction on Project Management**
Batangas State University – JPLPC Malvar ,
February 27, 2021
- **Trend Micro: Introduction to Web Security Threats**
Zoom (Trend Micro Secure Learning)
June 15, 2020
- **DICT: Machine Learning**
Zoom (DICT VC2)
June 15, 2020

CHARACTER REFERENCE

Mrs. Maria Graciela R. Bucad
Computer Instructor, BatStateU-JPLPC Malvar
Malvar, Batangas

Mr. Joseph Rizalde E. Guillo
Computer Instructor, BatStateU- JPLPC Malvar
Malvar, Batangas

Mr. Gerald Fadol
Computer Instructor, BatStateU - JPLPC Malvar
Malvar, Batangas



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 Malvar, Batangas



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MADELENE D. MAGNAYE

Address: San Pablo Sto. Tomas, Batangas

Contact No.: 09186893831

Email: madelenemagnaye@gmail.com

CAREER OBJECTIVE

- To design, develop and deploy an Online Thesis Manuscript Checking Platform for Batangas State University-JPLPC Malvar.

EDUCATIONAL BACKGROUND

Bachelor of Science in Information Technology

Batangas State University JPLPC-Malvar Campus, Malvar, Batangas
 2018 – Present

SUMMARY OF QUALIFICATION

- Basic knowledge in Web Designing and Web Development (HTML, CSS, PHP)
- Basic knowledge in Programming (Visual Basic)
- Proficient in Microsoft Office (MS Word, Excel, PowerPoint, Internet, etc)

PERSONAL INFORMATION

Age : 21 yrs. old
Date of Birth : September 30, 2000
Place of Birth : Sto. Tomas Batangas
Gender : Female
Civil Status : Single
Height : 5' 4"
Weight : 47kgs
Nationality : Filipino
Religion : Born Again Christian

SEMINARS ATTENDED

- DCodeX: An Introduction on Project Management**
 Batangas State University – JPLPC Malvar ,
 February 27, 2021

CHARACTER REFERENCE

Mrs. Maria Graciela R. Bucad
 Computer Instructor, BatStateU-JPLPC Malvar
 Malvar, Batangas

Mr. Joseph Rizalde E. Guillo
 Computer Instructor, BatStateU- JPLPC Malvar
 Malvar, Batangas

Mr. Gerald Fadol
 Computer Instructor, BatStateU - JPLPC Malvar
 Malvar, Batangas

I do hereby certify that the above information is true and correct to the extent of my knowledge and ability.


MADELENE D. MAGNAYE
 Developer